

NATIONAL WEATHER SERVICE INSTRUCTION 10-302

APRIL 3, 2007

Operations and Services

Marine And Coastal Weather Services, NWSPD 10-3

MARINE AND COASTAL SERVICES AREA OF RESPONSIBILITY

NOTICE: This publication is available at: <http://www.nws.noaa.gov/directives/>.

OPR: OS21 (R. May)

Certified by: OS21 (T. Pierce)

Type of Issuance: Routine

SUMMARY OF REVISIONS: This directive supersedes NWSI 10-302 dated July 5, 2006.

This directive was updated for:

1. Marine zone boundary changes for the WFO Upton, NY. For additional information see SCN 06-38 posted at: <http://www.nws.noaa.gov/om/notif.htm>
2. Marine zone name changes for the WFO Tallahassee, FL. For additional information see SCN 06-44 posted at: <http://www.nws.noaa.gov/om/notif.htm>
3. Add the Northwestern Hawaiian Islands Marine National Monument to the National Marine Sanctuary Inclusion on page 84.

signed
Dennis H. McCarthy
Director, Office of Climate,
Water, and Weather Services

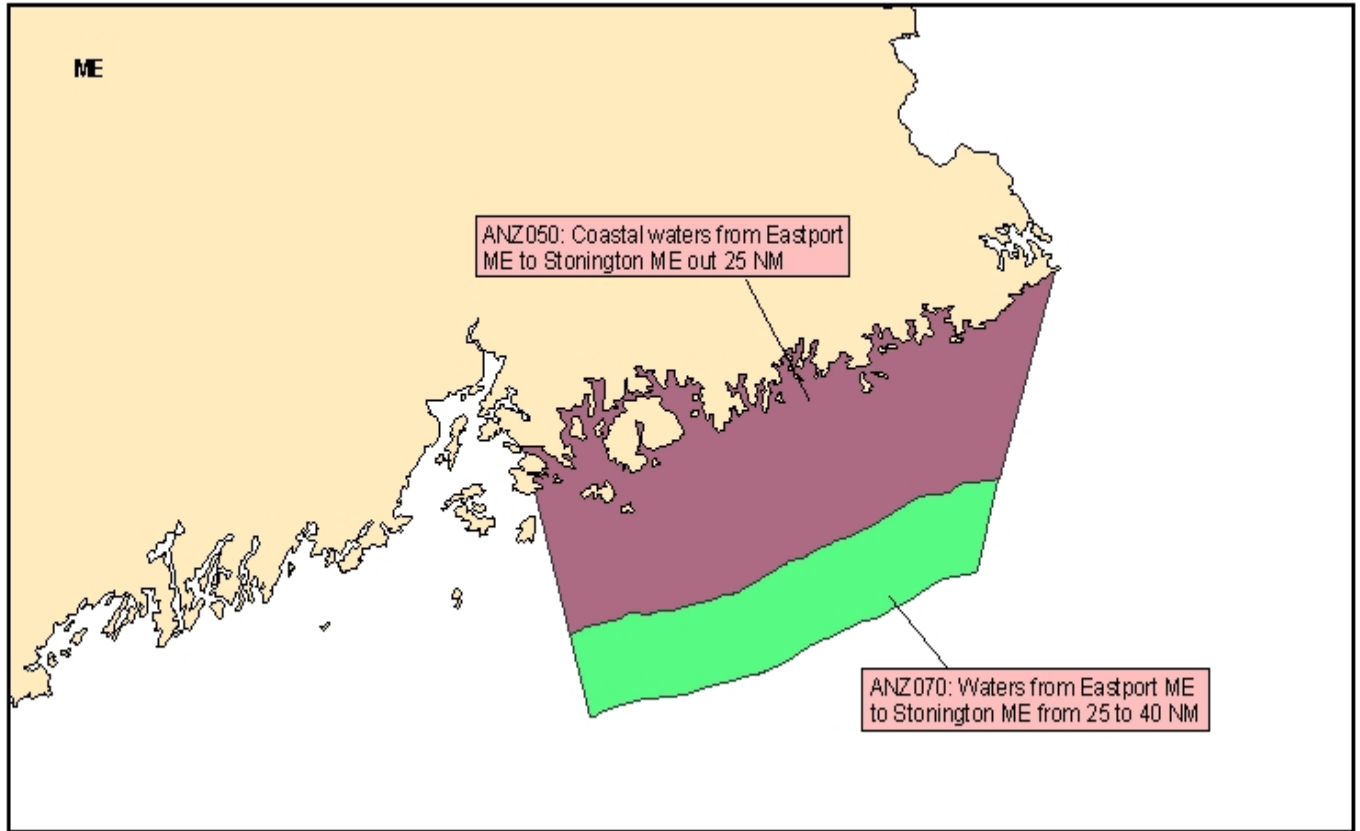
03/08/07
Date

MARINE AND COASTAL SERVICES AREAS OF RESPONSIBILITY

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1. Coastal Waters Forecast Areas of Responsibility

MARINE ZONES FOR WFO CARIBOU, ME



CARIBOU, ME (CAR)

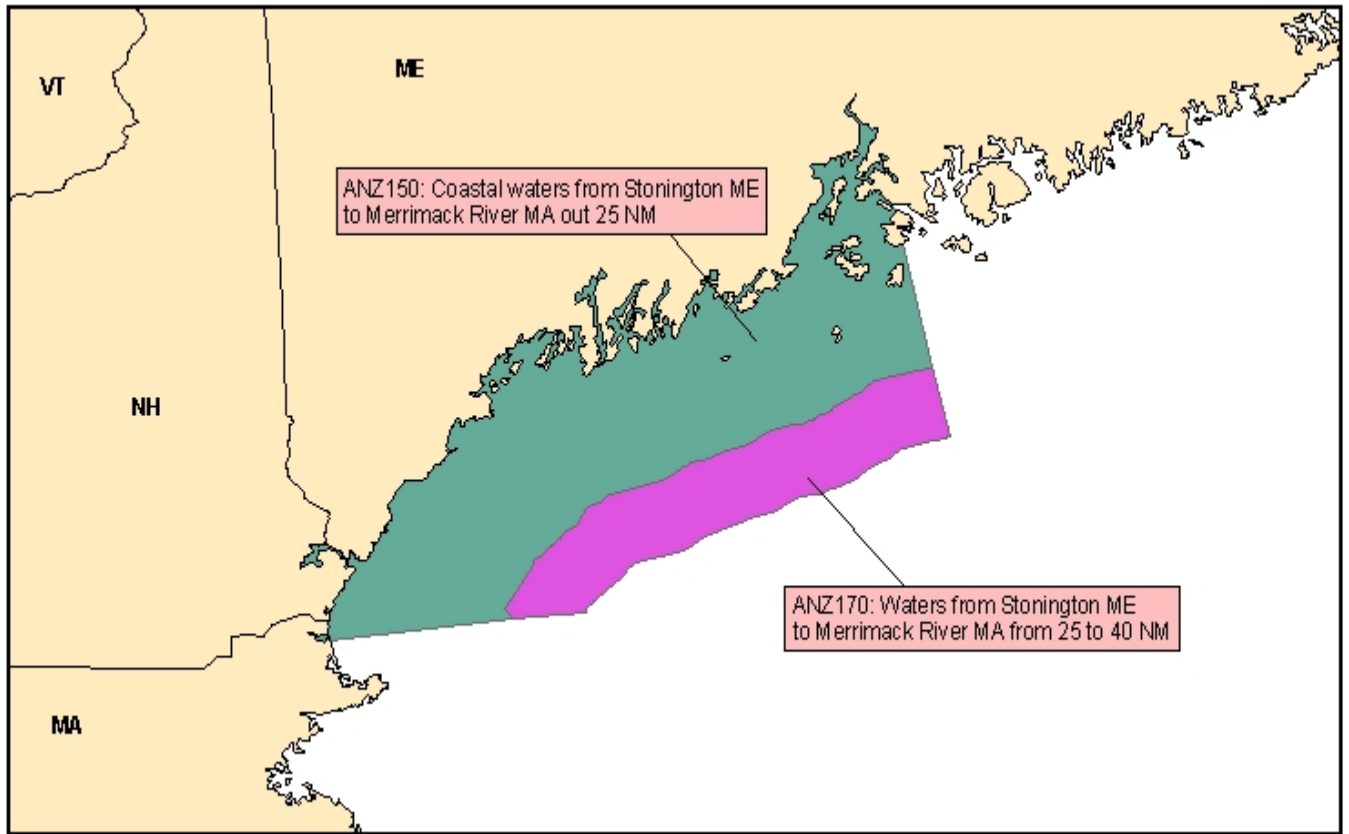
AREA OF RESPONSIBILITY BOUNDARIES

US-Canada border to Stonington ME out 25 NM
(Special Marine Warnings out to 40 NM)

ANZ005	Synopsis for Eastport ME to Stonington ME out 25 NM
ANZ050	Coastal Waters from Eastport ME to Stonington ME out 25 NM
ANZ070*	*Waters from Eastport ME to Stonington ME from 25 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO GRAY, ME



GRAY, ME (GYX)

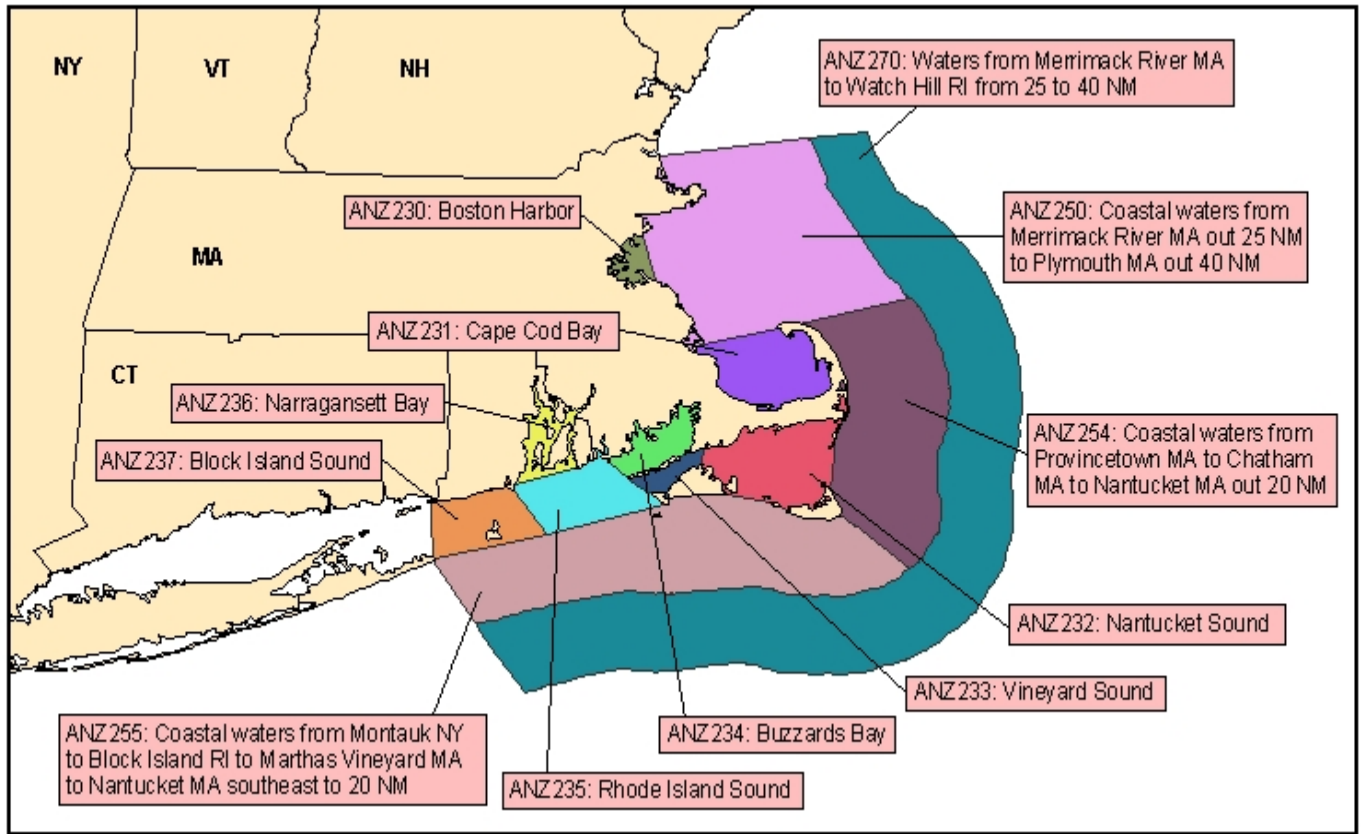
AREA OF RESPONSIBILITY BOUNDARIES

Stonington ME to the Merrimack River MA out 25 NM
(Special Marine Warnings out to 40 NM)

ANZ100	Synopsis for Stonington ME to Merrimack River MA out 25 NM
ANZ150	Coastal Waters from Stonington ME to Merrimack River MA out 25 NM
ANZ170*	*Waters from Stonington ME to Merrimack River MA from 25 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO TAUNTON, MA



TAUNTON, MA (BOX)

AREA OF RESPONSIBILITY BOUNDARIES

Merrimack River, MA, to CT-RI border out 20 NM
 (40 NM for Special Marine Warnings)
 Includes the Stellwagen Bank National Marine Sanctuary

- ANZ200 Synopsis for MA and RI coastal waters
- ANZ250 Coastal waters from Merrimack River MA out 25 NM to Plymouth MA out 40 NM
- ANZ230 Boston Harbor
- ANZ231 Cape Cod Bay
- ANZ254 Coastal waters from Provincetown MA to Chatham MA to Nantucket MA out 20 NM
- ANZ255 Coastal waters from Montauk NY to Block Island RI to Marthas Vineyard MA to Nantucket MA southeast to 20 NM
- ANZ232 Nantucket Sound

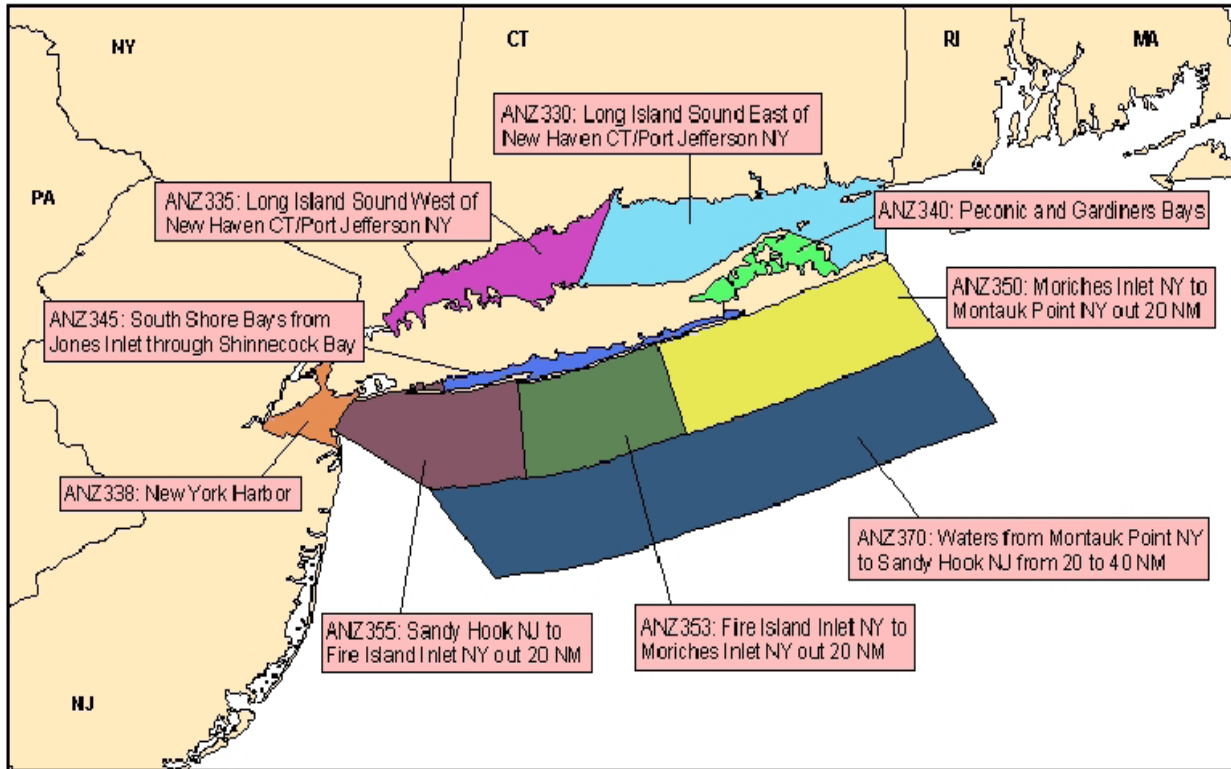
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ANZ233	Vineyard Sound
ANZ234	Buzzards Bay
ANZ235	Rhode Island Sound
ANZ236	Narragansett Bay
ANZ237	Block Island Sound

ANZ270* *Waters from Merrimack River MA to Watch Hill RI from 25 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO UPTON, NY



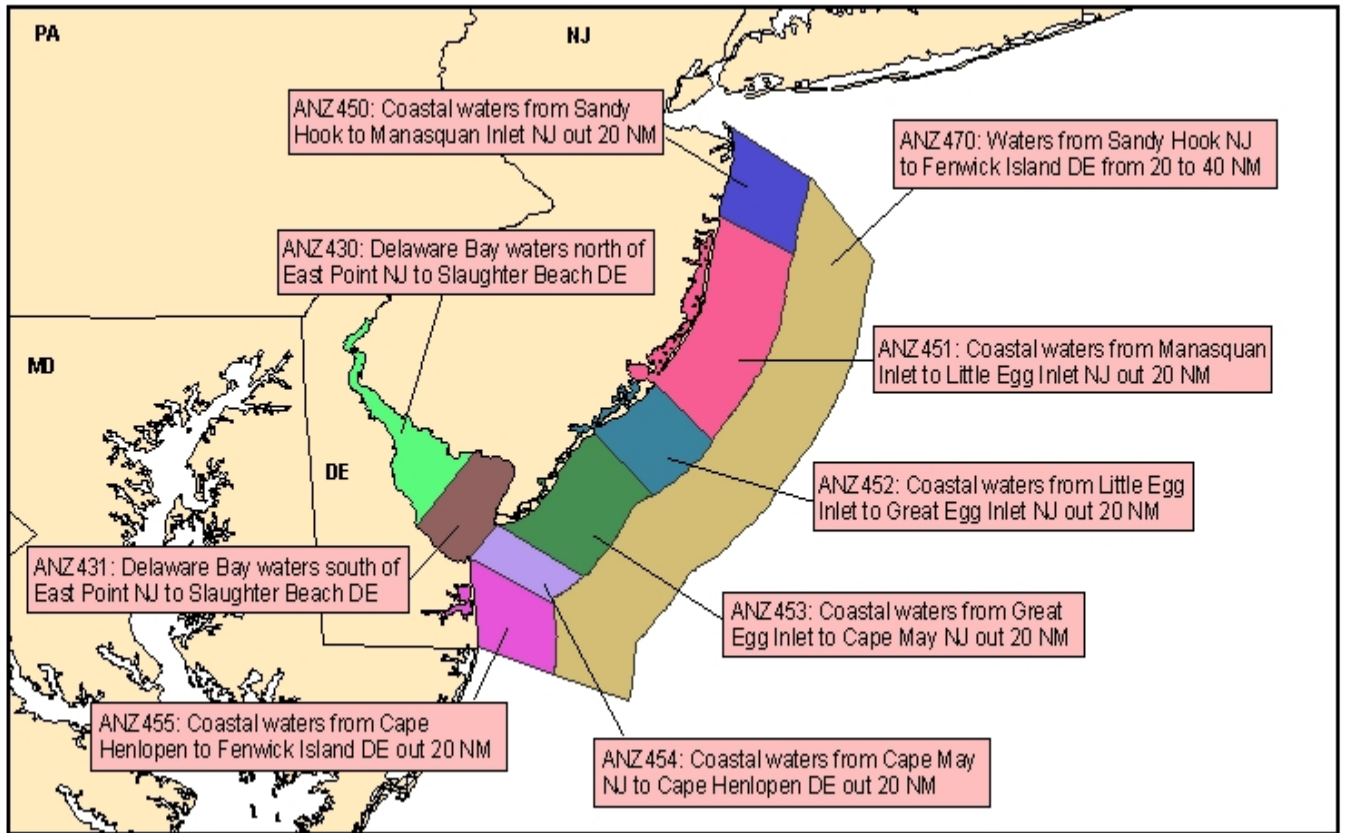
UPTON, NY (OKX)

AREA OF RESPONSIBILITY BOUNDARIES

Montauk Pt., NY to northernmost point on Sandy Hook, NJ out 20 NM
(40 NM for Special Marine Warnings)

- ANZ300 Synopsis for Long Island waters and New York Harbor
 - ANZ350 Moriches Inlet NY to Montauk Point NY out 20 NM
 - ANZ353 Fire Island Inlet NY to Moriches Inlet NY out 20 NM
 - ANZ355 Sandy Hook NJ to Fire Island Inlet NY out 20 NM
 - ANZ330 Long Island Sound East of New Haven CT/Port Jefferson NY
 - ANZ335 Long Island Sound West of New Haven CT/Port Jefferson NY
 - ANZ338 New York Harbor
 - ANZ340 Peconic and Gardiners Bays
 - ANZ345 South Shore Bays from Jones Inlet through Shinnecock Bay
 - ANZ370* *Waters from Montauk Point NY to Sandy Hook NJ from 20 to 40 NM
- * - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MT HOLLY, NJ



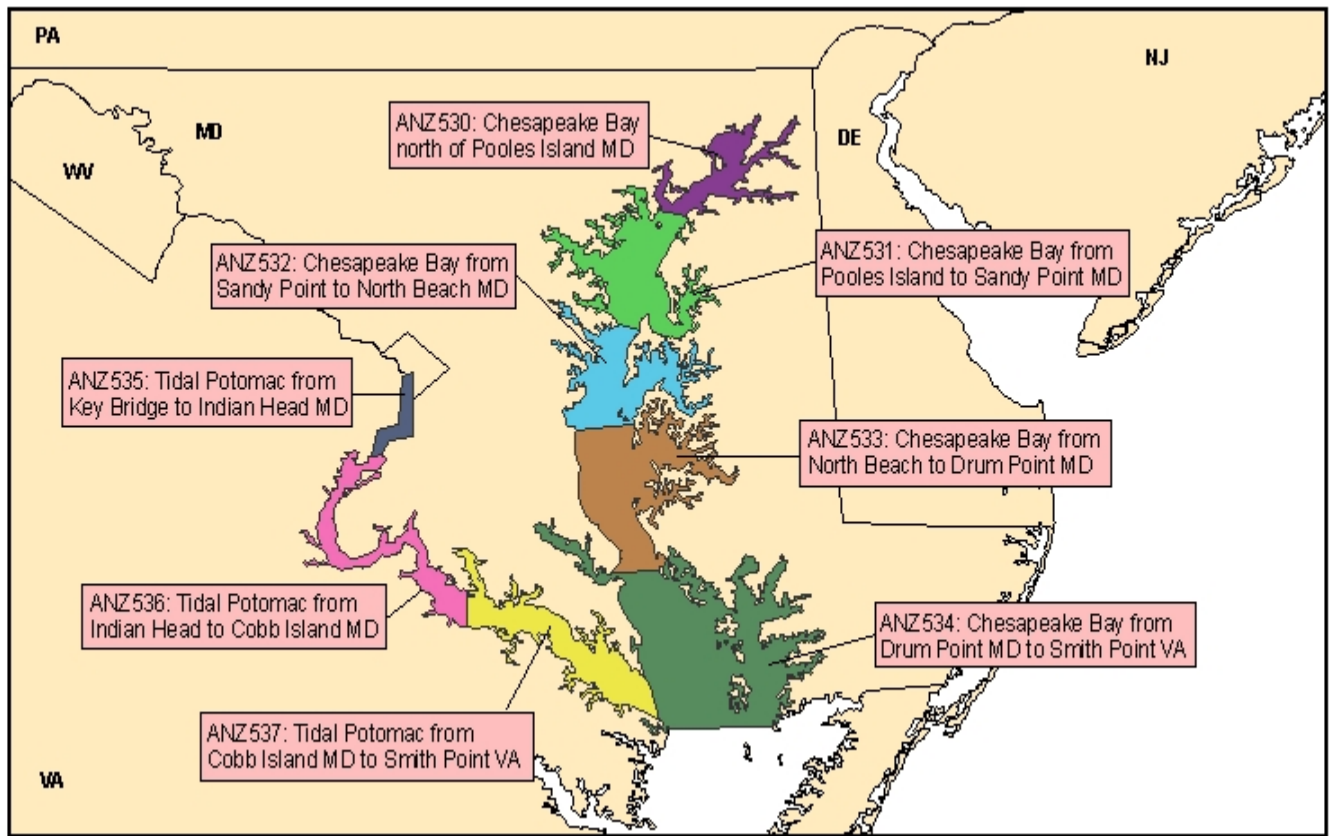
MT. HOLLY, NJ (PHI)

AREA OF RESPONSIBILITY BOUNDARIES

Northernmost point on Sandy Hook, NJ to MD-DE border out 20 NM
(40 NM for Special Marine Warnings)

- ANZ400 Synopsis for the coastal waters from Sandy Hook NJ to Fenwick Island DE and for Delaware Bay
- ANZ450 Coastal waters from Sandy Hook to Manasquan Inlet NJ out 20 NM
- ANZ451 Coastal waters from Manasquan Inlet to Little Egg Inlet NJ out 20 NM
- ANZ452 Coastal waters from Little Egg Inlet to Great Egg Inlet NJ out 20 NM
- ANZ453 Coastal waters from Great Egg Inlet to Cape May NJ out 20 NM
- ANZ454 Coastal waters from Cape May NJ to Cape Henlopen DE out 20 NM
- ANZ455 Coastal waters from Cape Henlopen to Fenwick Island DE out 20 NM
- ANZ430 Delaware Bay waters north of East Point NJ to Slaughter Beach DE
- ANZ431 Delaware Bay waters south of East Point NJ to Slaughter Beach DE
- ANZ470* *Waters from Sandy Hook NJ to Fenwick Island DE from 20 to 40 NM
- * - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO STERLING, VA



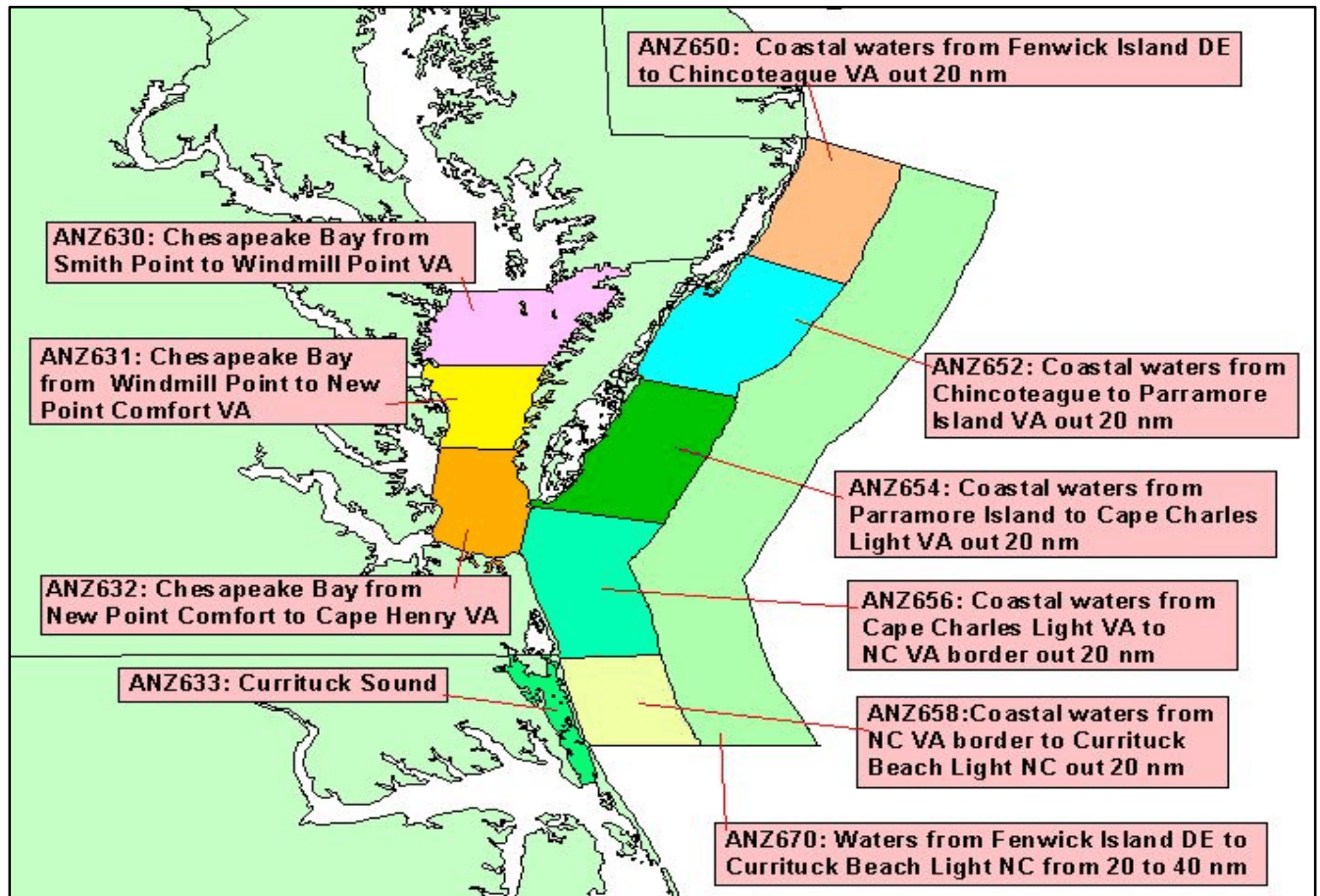
STERLING, VA (LWX)

AREA OF RESPONSIBILITY BOUNDARIES

Chesapeake Bay north of VA-MD border South of Susquehanna River, including Potomac River

ANZ500	Synopsis for the Tidal Potomac and MD portion of Chesapeake Bay
ANZ530	Chesapeake Bay north of Pooles Island MD
ANZ531	Chesapeake Bay from Pooles Island to Sandy Point MD
ANZ532	Chesapeake Bay from Sandy Point to North Beach MD
ANZ533	Chesapeake Bay from North Beach to Drum Point MD
ANZ534	Chesapeake Bay from Drum Point MD to Smith Point VA
ANZ535	Tidal Potomac from Key Bridge to Indian Head MD
ANZ536	Tidal Potomac from Indian Head to Cobb Island MD
ANZ537	Tidal Potomac from Cobb Island MD to Smith Point VA

MARINE ZONES FOR WFO WAKEFIELD, VA



WAKEFIELD, VA (AKQ)

AREA OF RESPONSIBILITY BOUNDARIES

Chesapeake Bay south of VA-MD border to west of a line from Cape Henry to Cape Charles Light VA

MD-DE border to Dare-Currituck NC county line out 20 NM including Currituck Sound (40 NM for Special Marine Warnings)

- ANZ600 Synopsis for Fenwick Island DE to Currituck Beach Light NC out 20 NM including Virginia portion of the Chesapeake Bay and Currituck Sound
- ANZ630 Chesapeake Bay from Smith Point to Windmill Point VA
- ANZ631 Chesapeake Bay from Windmill Point to New Point Comfort VA
- ANZ632 Chesapeake Bay from New Point Comfort to Cape Henry VA
- ANZ650 Coastal waters from Fenwick Island DE to Chincoteague VA out 20 NM
- ANZ652 Coastal waters from Chincoteague to Parramore Island VA out 20 NM
- ANZ654 Coastal waters from Parramore Island to Cape Charles Light VA out 20 NM
- ANZ656 Coastal waters from Cape Charles Light VA to NC VA border out 20 NM

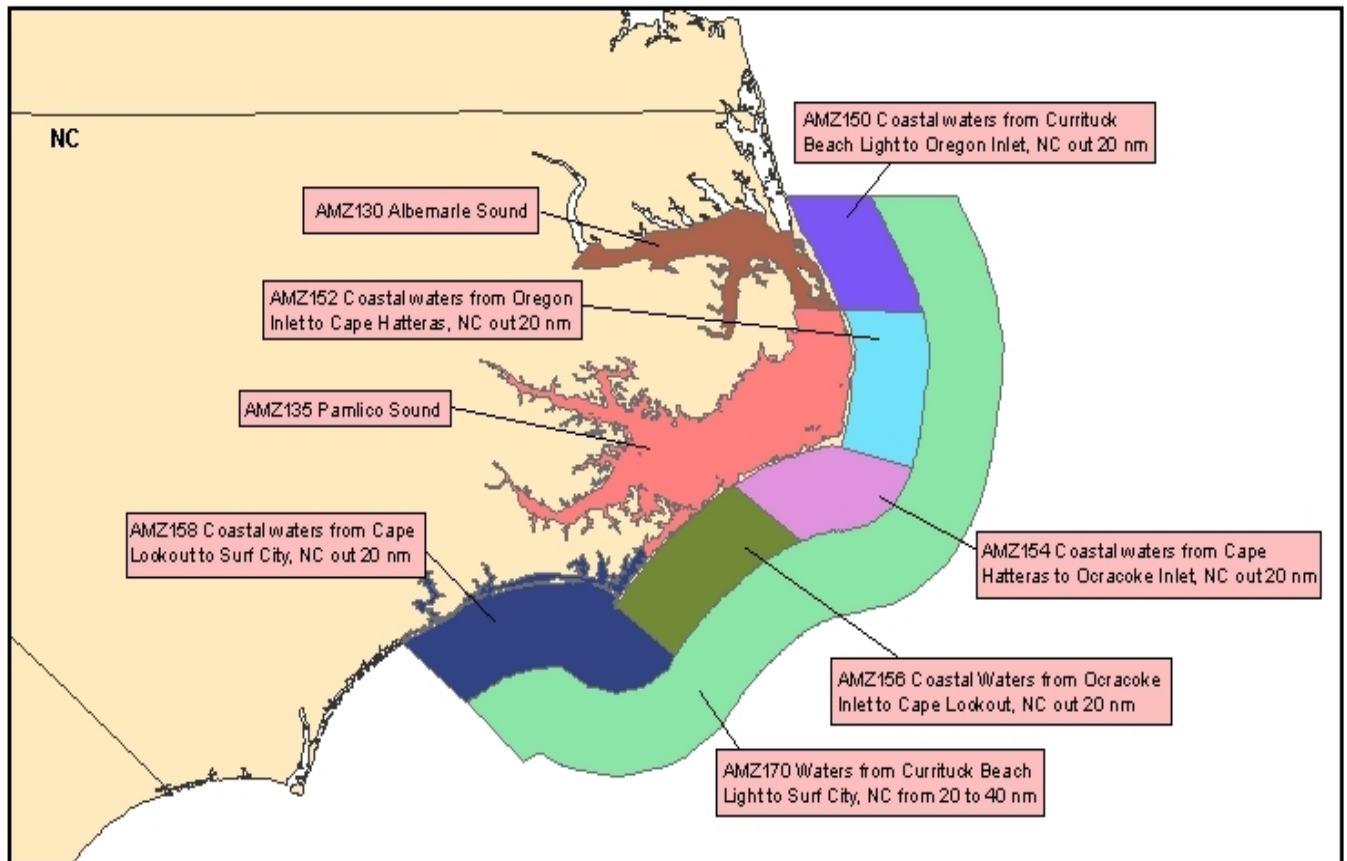
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ANZ658 Coastal waters from NC VA border to Currituck Beach Light NC out 20NM
ANZ633 Currituck Sound

ANZ670* *Waters from Fenwick Island DE to Currituck Beach Light NC from 20 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MOREHEAD CITY, NC



MOREHEAD CITY, NC (MHX)

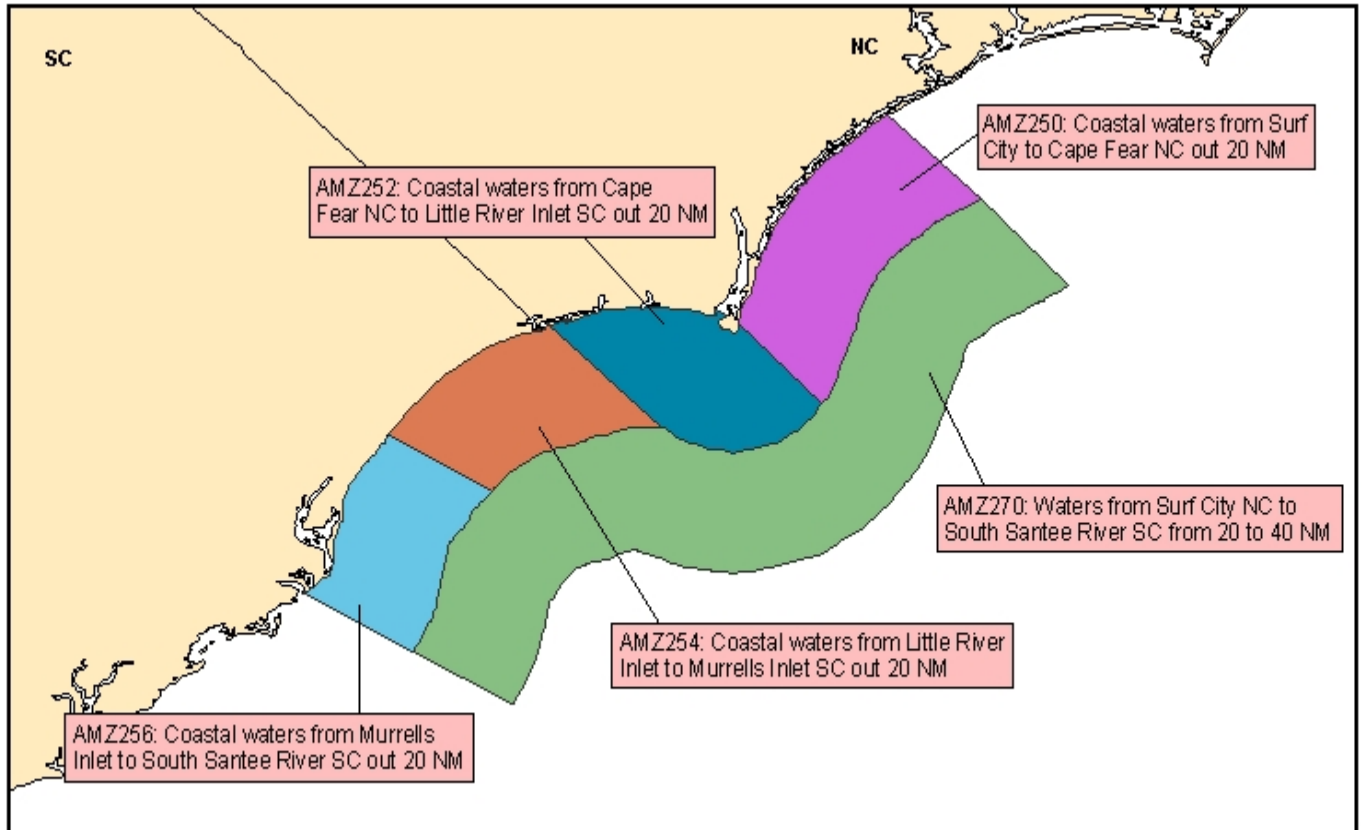
AREA OF RESPONSIBILITY BOUNDARIES

Dare-Currituck, NC, county line to Pender-Onslow, NC, county line out 20 NM, including Albemarle Sound and Pamlico Sound (40 NM for Special Marine Warnings)
Includes the Monitor National Marine Sanctuary

- AMZ100 Synopsis for eastern North Carolina coastal waters
- AMZ150 Coastal waters from Currituck Beach Light to Oregon Inlet NC out 20 NM
- AMZ152 Coastal waters from Oregon Inlet to Cape Hatteras NC out 20 NM
- AMZ154 Coastal waters from Cape Hatteras to Ocracoke Inlet NC out 20 NM
- AMZ156 Coastal waters from Ocracoke Inlet to Cape Lookout NC out 20 NM
- AMZ158 Coastal waters from Cape Lookout to Surf City NC out 20 NM
- AMZ130 Albemarle Sound
- AMZ135 Pamlico Sound
- AMZ170* *Waters from Currituck Beach Light to Surf City, NC from 20 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO WILMINGTON, NC



WILMINGTON, NC (ILM)

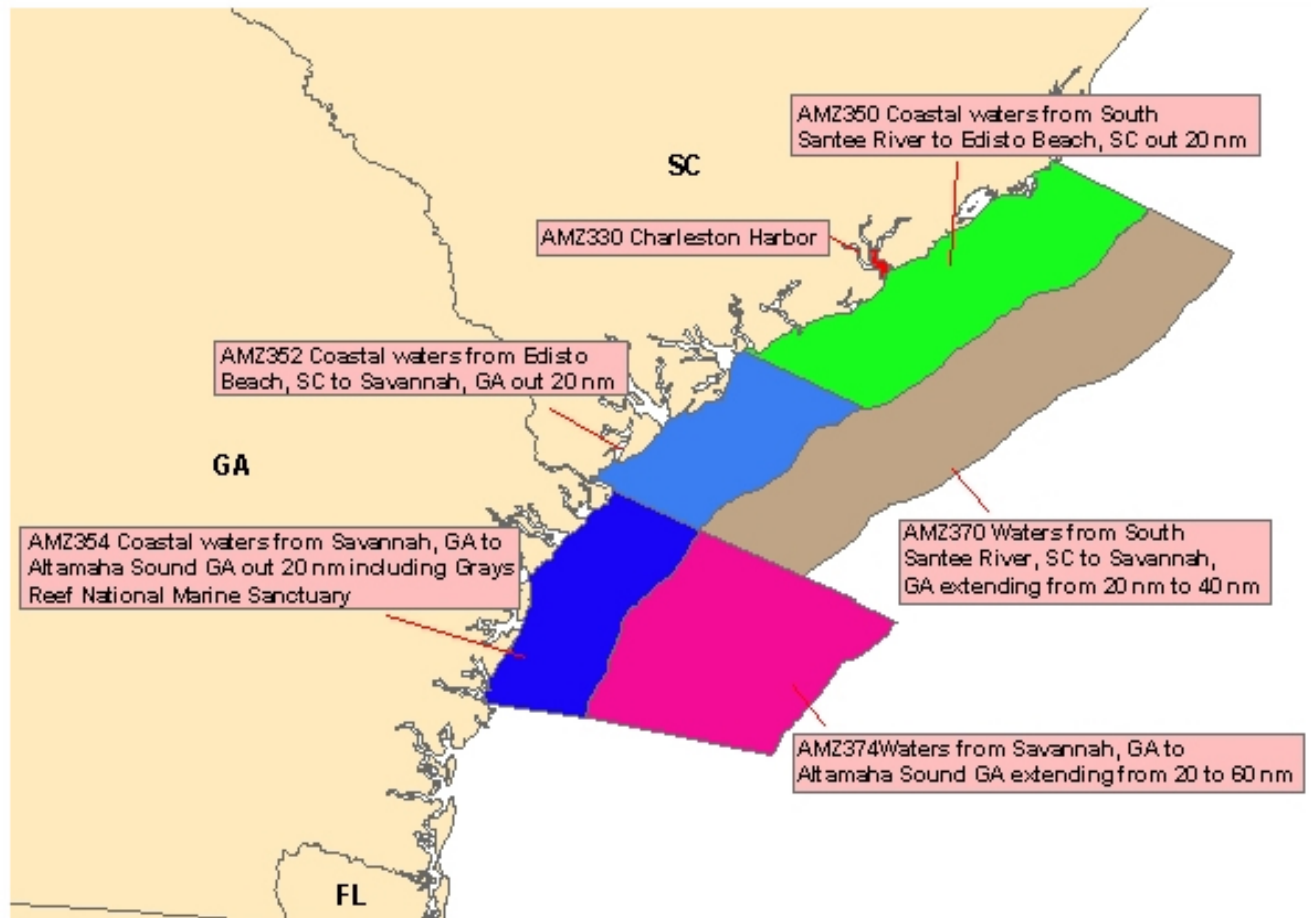
AREA OF RESPONSIBILITY BOUNDARIES

Pender-Onslow, NC, county line to Georgetown-Charleston, SC, county line out 20 NM
(40 NM for Special Marine Warnings)

- AMZ200 Synopsis for coastal waters from Surf City North Carolina to South Santee River
South Carolina out to 20 Nautical Miles
- AMZ250 Coastal waters from Surf City to Cape Fear NC out 20 NM
- AMZ252 Coastal waters from Cape Fear NC to Little River Inlet SC out 20 NM
- AMZ254 Coastal waters from Little River Inlet to Murrells Inlet SC out 20 NM
- AMZ256 Coastal waters from Murrells Inlet to South Santee River SC out 20 NM
- AMZ270* *Waters from Surf City NC to South Santee River SC from 20 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO CHARLESTON, SC



CHARLESTON, SC (CHS)

AREA OF RESPONSIBILITY BOUNDARIES

Georgetown-Charleston, SC, county line to SC-GA border, out 20 NM including Charleston Harbor. (40 NM for Special Marine Warnings)

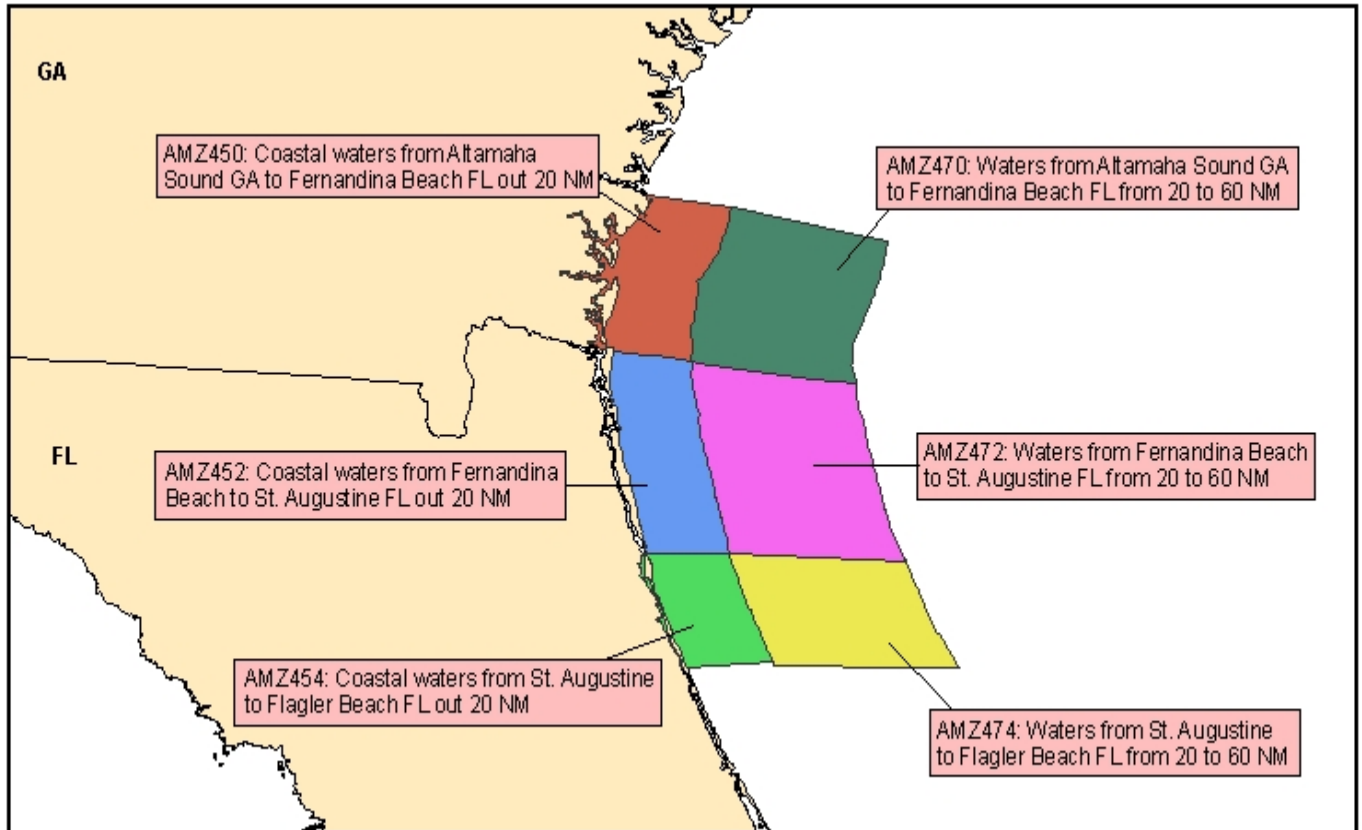
SC-GA border to Glynn-McIntosh, GA, county line out 60 NM

Includes the Grays Reef National Marine Sanctuary

- | | |
|---------|--|
| AMZ300 | Synopsis for southern South Carolina and northern Georgia waters |
| AMZ350 | Coastal waters from South Santee River to Edisto Beach SC out 20 NM |
| AMZ352 | Coastal waters from Edisto Beach SC to Savannah GA out 20 NM |
| AMZ330 | Charleston Harbor |
| AMZ370* | *Waters from South Santee River SC to Savannah GA from 20 to 40 NM |
| AMZ354 | Coastal waters from Savannah to Altamaha Sound GA out 20 NM...including Grays Reef National Marine Sanctuary |
| AMZ374 | Waters from Savannah to Altamaha Sound GA from 20 to 60 NM |

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO JACKSONVILLE, FL



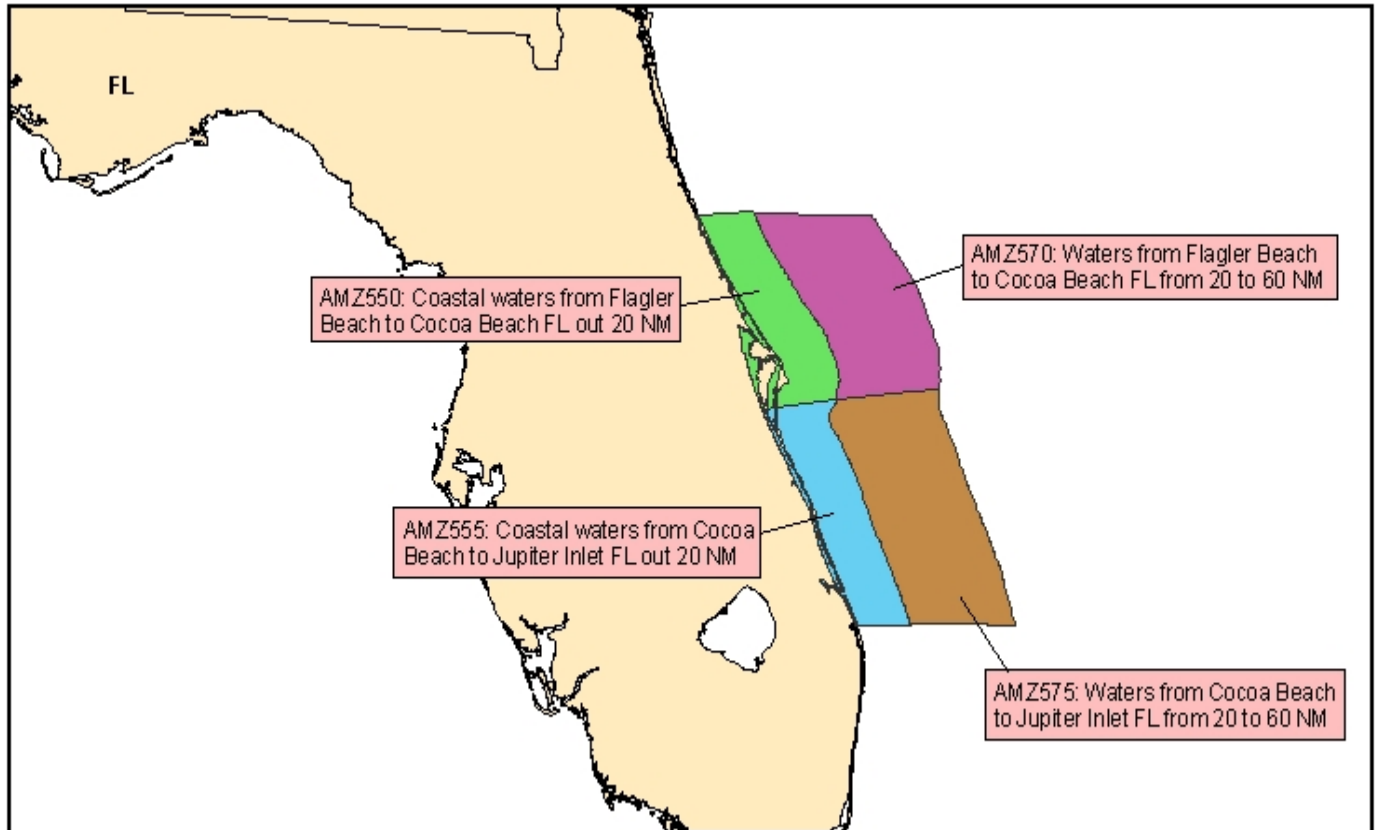
JACKSONVILLE, FL (JAX)

AREA OF RESPONSIBILITY BOUNDARIES

Glynn-McIntosh, GA, county line to Volusia-Flagler, FL, county line out to 60 NM

AMZ400	Synopsis for Altamaha Sound GA to Flagler Beach FL out 60 NM
AMZ450	Coastal waters from Altamaha Sound GA to Fernandina Beach FL out 20 NM
AMZ470	Waters from Altamaha Sound GA to Fernandina Beach FL from 20 to 60 NM
AMZ452	Coastal waters from Fernandina Beach to St. Augustine FL out 20 NM
AMZ472	Waters from Fernandina Beach to St. Augustine FL from 20 to 60 NM
AMZ454	Coastal waters from St. Augustine to Flagler Beach FL out 20 NM
AMZ474	Waters from St. Augustine to Flagler Beach FL from 20 to 60 NM

MARINE ZONES FOR WFO MELBOURNE, FL



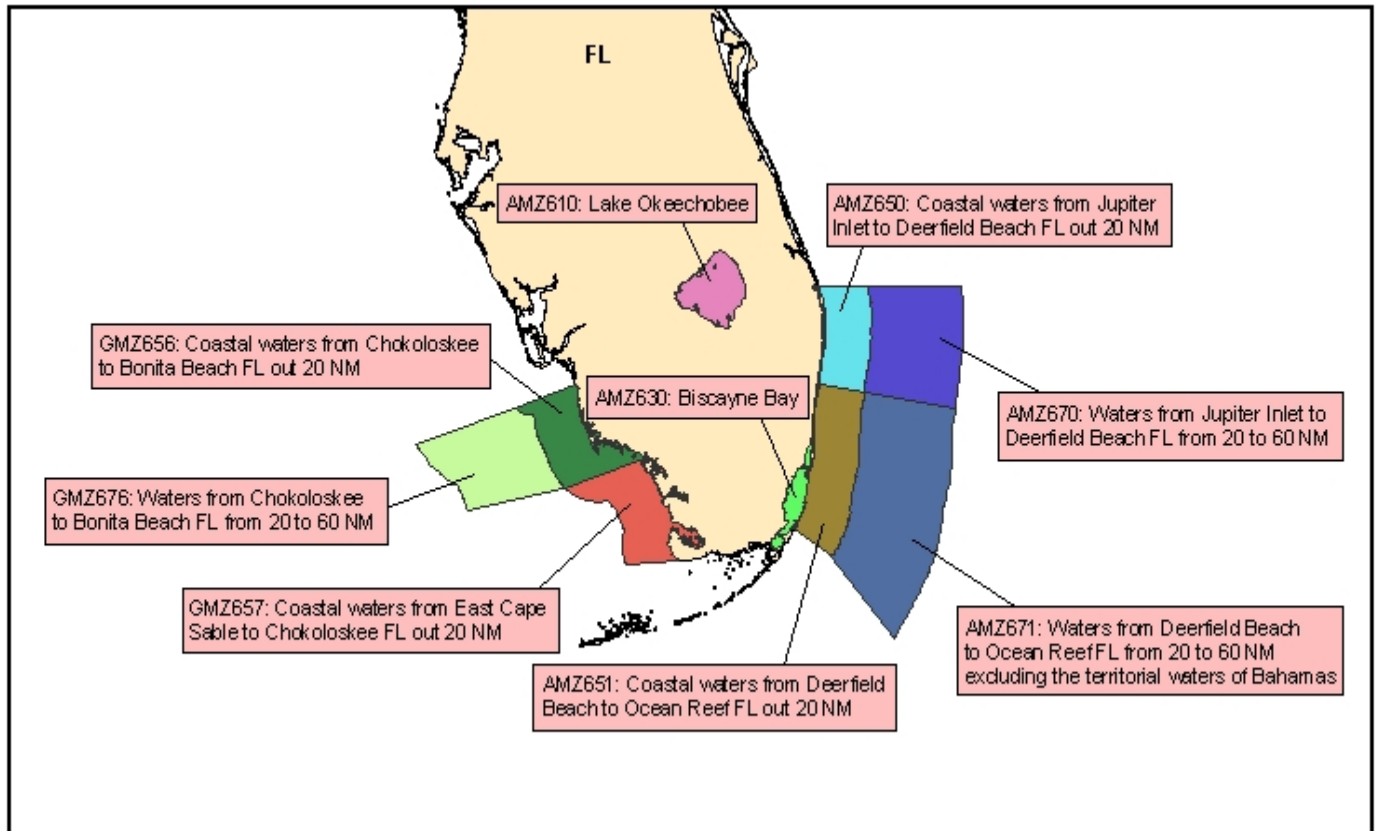
MELBOURNE, FL (MLB)

AREA OF RESPONSIBILITY BOUNDARIES

Volusia-Flagler, FL, county line to Martin-Palm Beach, FL, county line out 60 NM

AMZ500	Synopsis for Flagler Beach to Jupiter Inlet FL out 60 NM
AMZ550	Coastal waters from Flagler Beach to Cocoa Beach FL out 20 NM
AMZ570	Waters from Flagler Beach to Cocoa Beach FL from 20 to 60 NM
AMZ555	Coastal waters from Cocoa Beach to Jupiter Inlet FL out 20 NM
AMZ575	Waters from Cocoa Beach to Jupiter Inlet FL from 20 to 60 NM

MARINE ZONES FOR WFO MIAMI, FL



MIAMI, FL (MFL)

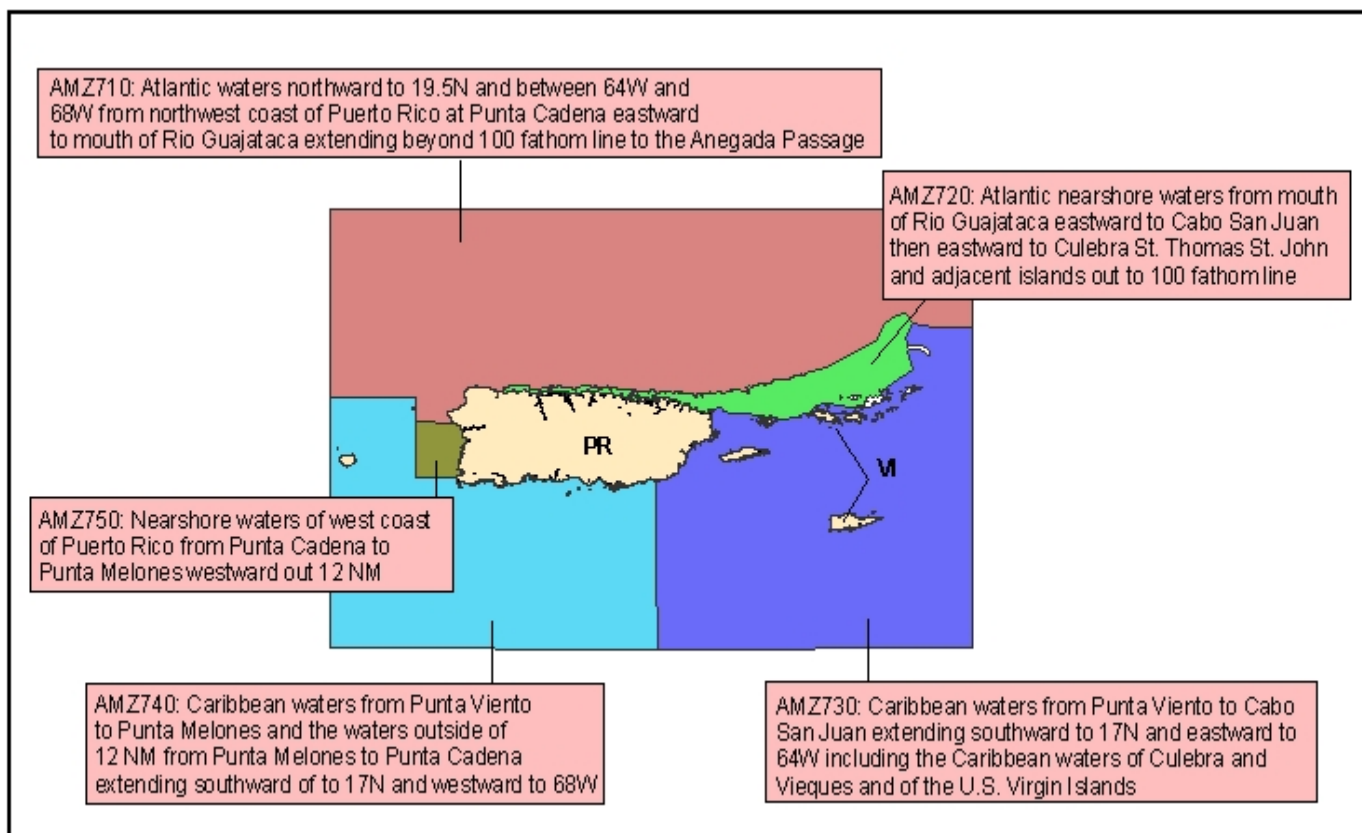
AREA OF RESPONSIBILITY BOUNDARIES

Martin-Palm Beach, FL, county line to Lee-Collier, FL, county line, excluding Florida Bay and the Keys, out 60 NM

AMZ600	Synopsis for Jupiter Inlet to Ocean Reef FL including Biscayne Bay out 60 NM
AMZ610	Lake Okeechobee
AMZ650	Coastal waters from Jupiter Inlet to Deerfield Beach FL out 20 NM
AMZ670	Waters from Jupiter Inlet to Deerfield Beach FL from 20 to 60 NM
AMZ630	Biscayne Bay
AMZ651	Coastal waters from Deerfield Beach to Ocean Reef FL out 20 NM
AMZ671	Waters from Deerfield Beach to Ocean Reef FL from 20 to 60 NM excluding the territorial waters of the Bahamas

GMZ606	Synopsis for East Cape Sable to Bonita Beach FL out 60 NM
GMZ656	Coastal waters from Chokoloskee to Bonita Beach FL out 20 NM
GMZ657	Coastal waters from East Cape Sable to Chokoloskee FL out 20 NM
GMZ676	Waters from Chokoloskee to Bonita Beach FL from 20 to 60 NM

MARINE ZONES FOR WFO SAN JUAN, PR



SAN JUAN, PR (SJU)

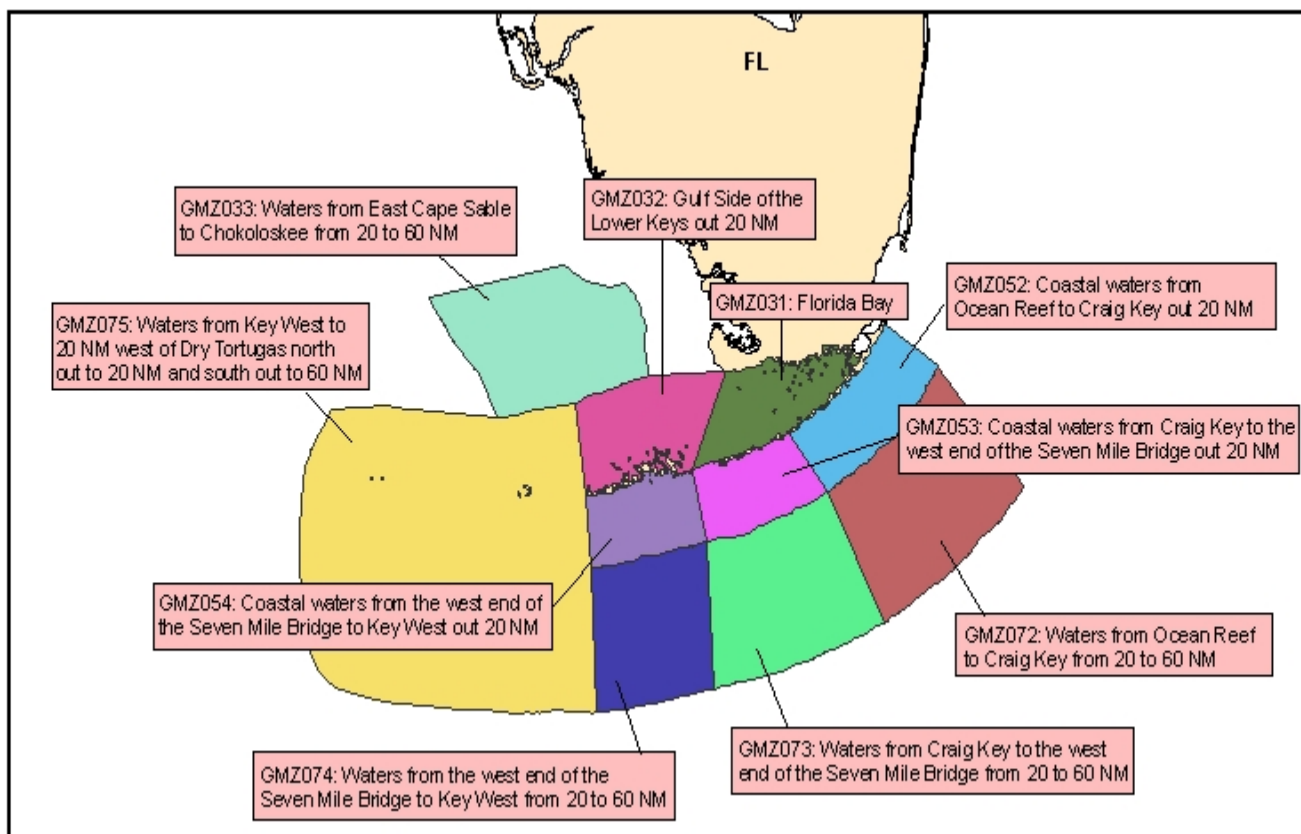
AREA OF RESPONSIBILITY BOUNDARIES

Puerto Rico and U.S. Virgin Islands Waters

- AMZ700 Synopsis for Puerto Rico and U.S. Virgin Islands waters
- AMZ710 Atlantic waters northward to 19.5N and between 64W and 68W from northwest coast of Puerto Rico at Punta Cadena eastward to mouth of Rio Guajataca extending beyond 100 fathom line to the Anegada Passage
- AMZ720 Atlantic nearshore waters from mouth of Rio Guajataca eastward to Cabo San Juan then eastward to Culebra St. Thomas St. John and adjacent islands out to 100 fathom line
- AMZ730 Caribbean Waters from Punta Viento to Cabo San Juan extending southward to 17N and eastward to 64W including the Caribbean waters of Culebra and Vieques and of the U.S. Virgin Islands
- AMZ740 Caribbean Waters from Punta Viento to Punta Melones and the waters outside of 12 NM from Punta Melones to Punta Cadena extending southward of to 17N and westward to 68W

AMZ750 Nearshore waters of west coast of Puerto Rico from Punta Cadena to Punta
Melones westward out 12 NM

MARINE ZONES FOR WFO KEY WEST, FL



KEY WEST, FL (KEY)

AREA OF RESPONSIBILITY BOUNDARIES

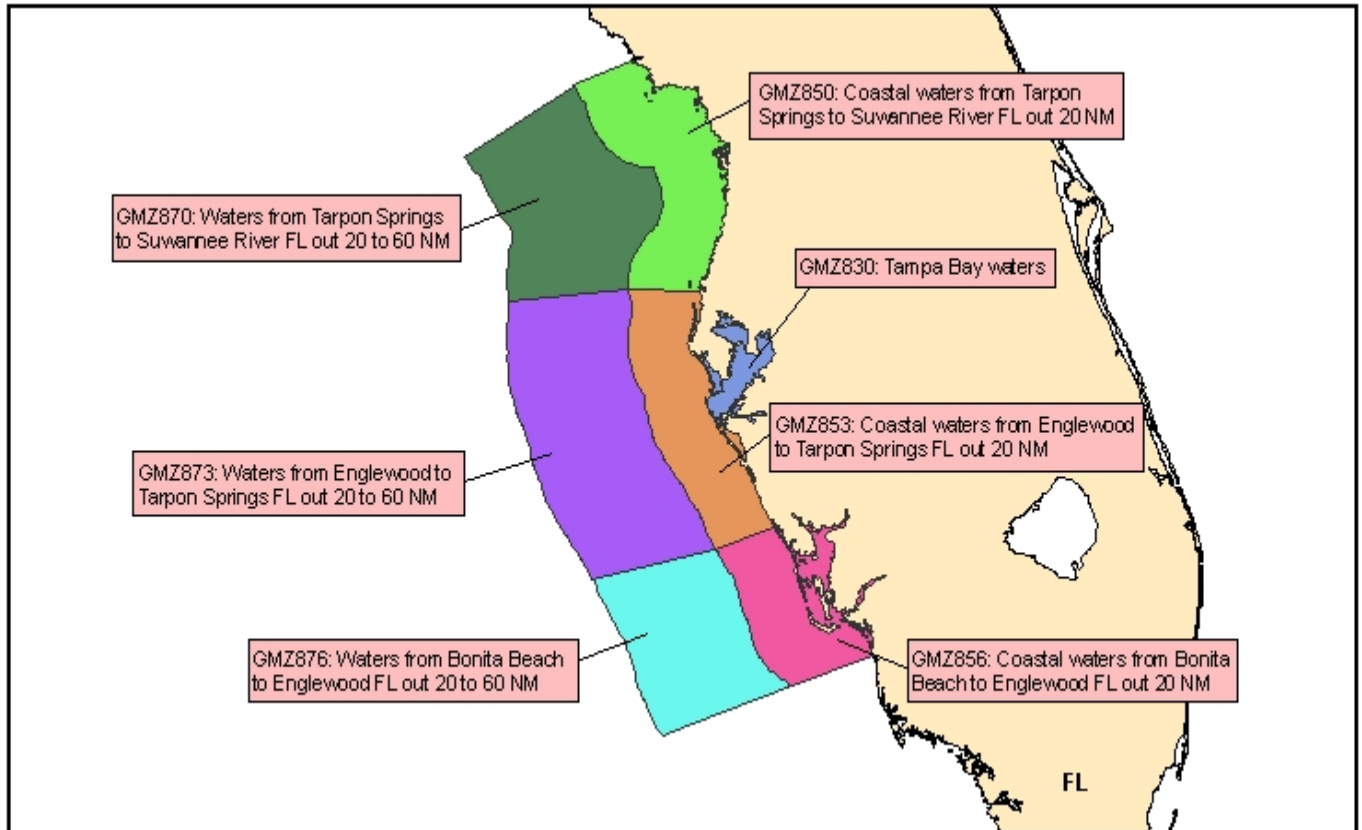
Florida Bay and the Keys

Includes the Florida Keys National Marine Sanctuary

GMZ005	Synopsis for Florida Keys Coastal Waters
GMZ052	Coastal waters from Ocean Reef to Craig Key out 20 NM
GMZ072	Waters from Ocean Reef to Craig Key from 20 to 60 NM
GMZ031	Florida Bay
GMZ032	Gulf Side of the Lower Keys out 20 NM
GMZ053	Coastal waters from Craig Key to the west end of the Seven Mile Bridge out 20 NM
GMZ073	Waters from Craig Key to the west end of the Seven Mile Bridge from 20 to 60 NM
GMZ054	Coastal waters from the west end of the Seven Mile Bridge to Key West out 20 NM
GMZ074	Waters from the west end of the Seven Mile Bridge to Key West from 20 to 60 NM
GMZ075	Waters from Key West to 20 NM west of Dry Tortugas out to 20 NM and south out to 60 NM

GMZ033 Waters from East Cape Sable to Chokoloskee from 20 to 60 NM

MARINE ZONES FOR WFO TAMPA, FL



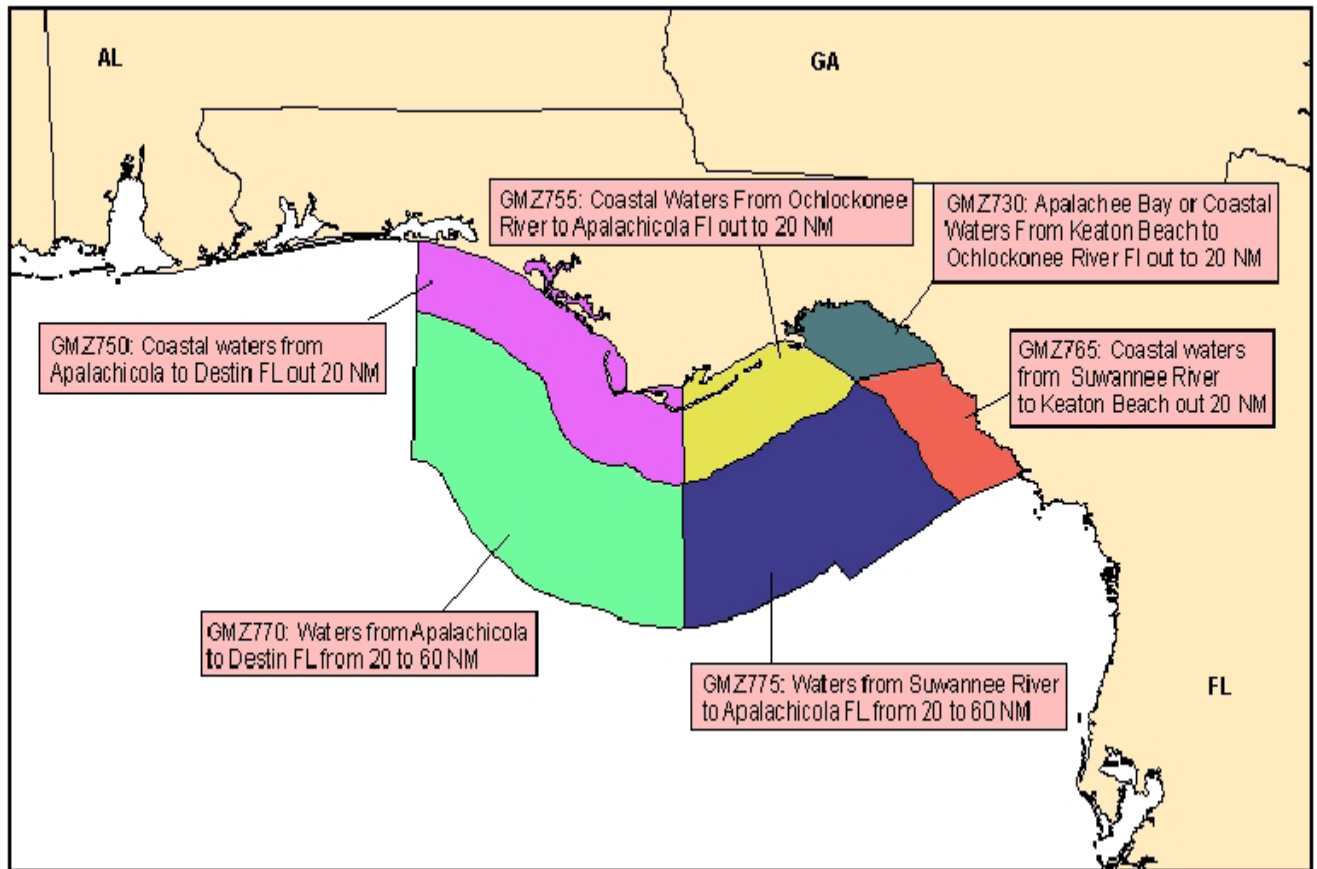
TAMPA, FL (TBW)

AREA OF RESPONSIBILITY BOUNDARIES

Lee-Collier county line to Levy-Dixie, FL county line out 60 NM

GMZ800	Synopsis for the coastal waters from Bonita Beach to Suwannee River FL out 60 NM
GMZ856	Coastal waters from Bonita Beach to Englewood FL out 20 NM
GMZ876	Waters from Bonita Beach to Englewood FL out 20 to 60 NM
GMZ830	Tampa Bay waters
GMZ853	Coastal waters from Englewood to Tarpon Springs FL out 20 NM
GMZ873	Waters from Englewood to Tarpon Springs FL out 20 to 60 NM
GMZ850	Coastal waters from Tarpon Springs to Suwannee River FL out 20 NM
GMZ870	Waters from Tarpon Springs to Suwannee River FL out 20 to 60 NM

MARINE ZONES FOR WFO TALLAHASSEE, FL



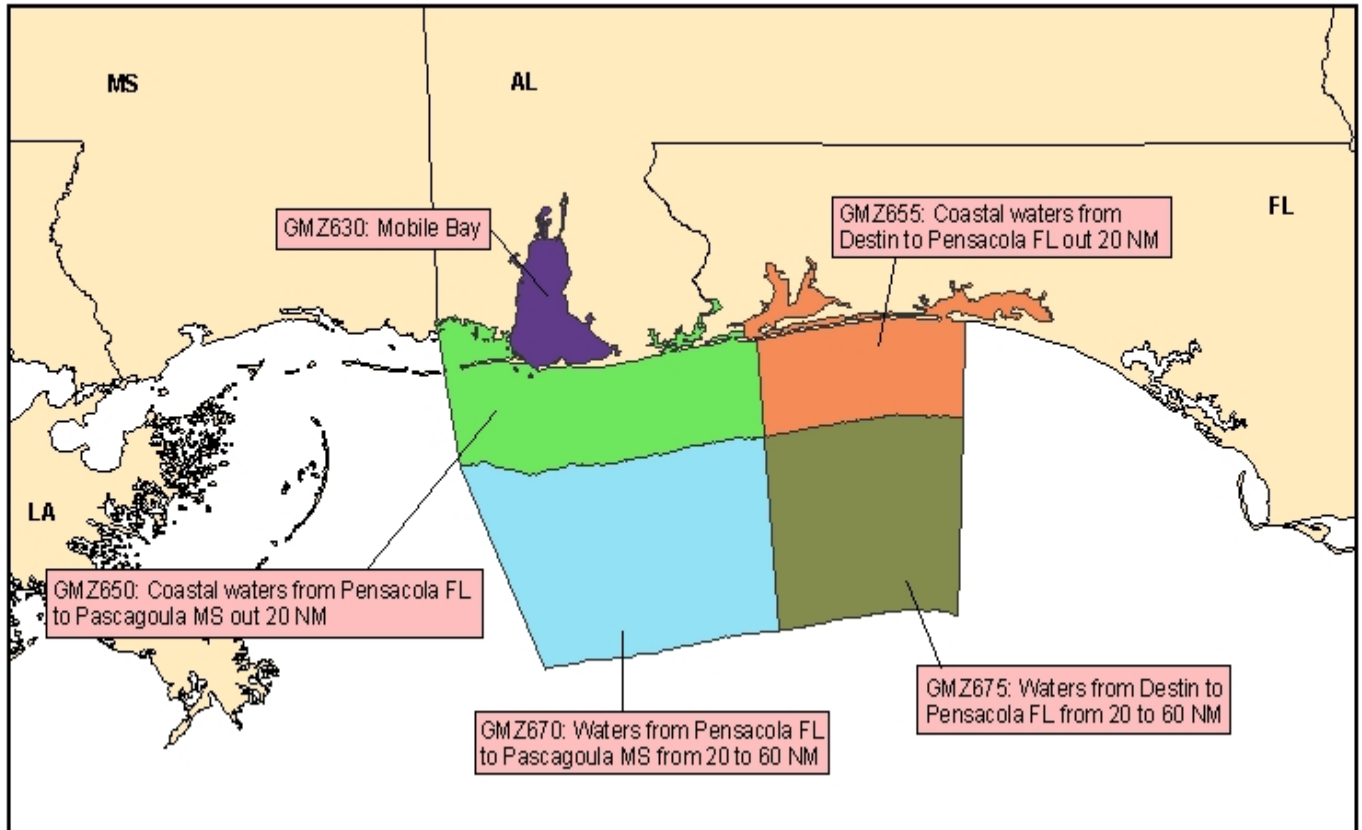
TALLAHASSEE, FL (TAE)

AREA OF RESPONSIBILITY BOUNDARIES

Levy-Dixie county line to Okaloosa-Walton, FL, county line out 60 NM

GMZ700	Synopsis for Suwannee River to Destin FL out 60 NM
GMZ730	Apalachee Bay or Coastal Waters From Keaton Beach to Ochlockonee River FL out to 20 NM
GMZ755	Coastal Waters From Ochlockonee River to Apalachicola FL out to 20 NM
GMZ775	Waters from Suwannee River to Apalachicola FL from 20 to 60 NM
GMZ750	Coastal waters from Apalachicola to Destin FL out 20 NM
GMZ765	Coastal waters from Suwannee River to Keaton Beach out 20 NM
GMZ770	Waters from Apalachicola to Destin FL from 20 to 60 NM

MARINE ZONES FOR WFO MOBILE, AL



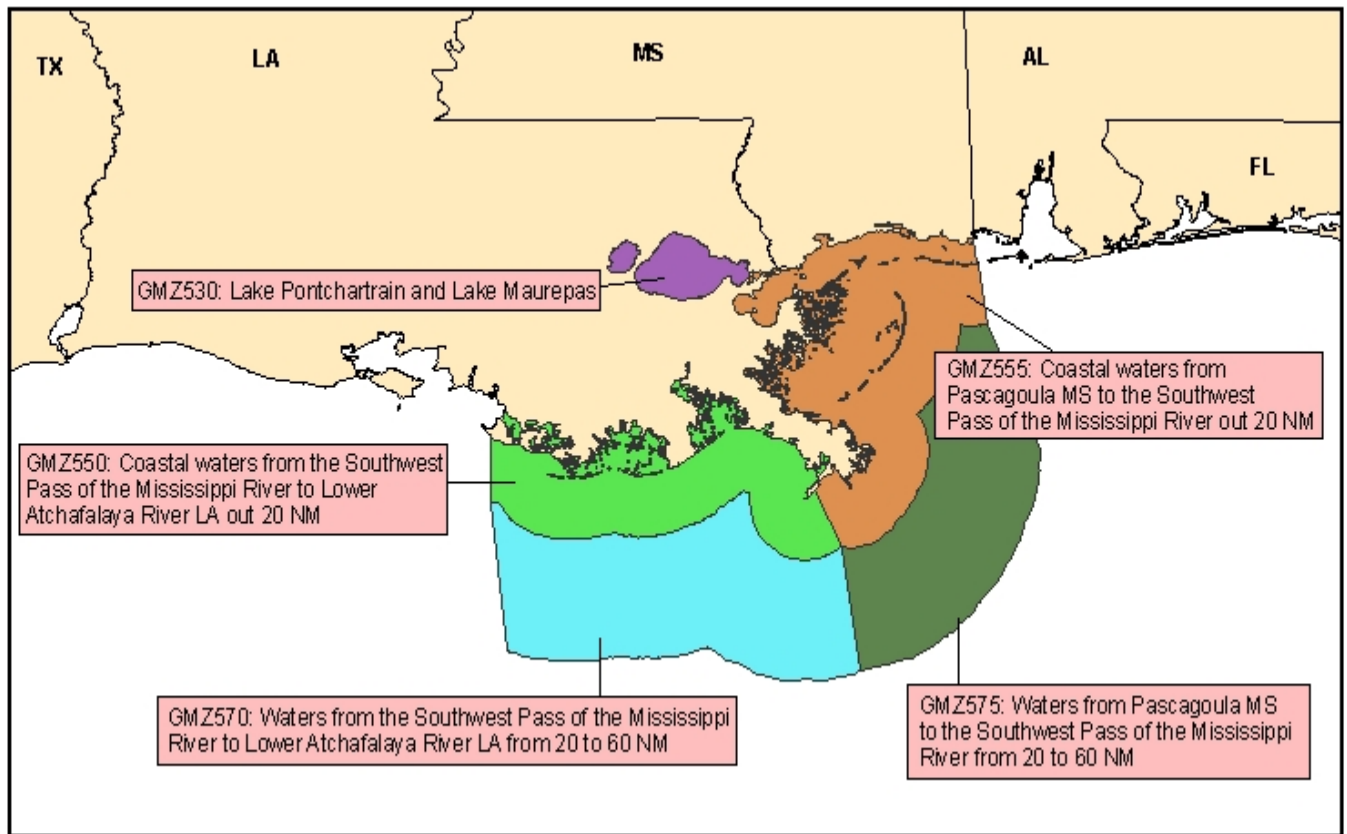
MOBILE, AL (MOB)

AREA OF RESPONSIBILITY BOUNDARIES

Okaloosa-Walton, FL, county line to Alabama-Mississippi state line out 60 NM

GMZ600	Synopsis for Destin FL to Pascagoula MS out 60 NM including Mobile Bay
GMZ655	Coastal waters from Destin to Pensacola FL out 20 NM
GMZ675	Waters from Destin to Pensacola FL from 20 to 60 NM
GMZ650	Coastal waters from Pensacola FL to Pascagoula MS out 20 NM
GMZ670	Waters from Pensacola FL to Pascagoula MS from 20 to 60 NM
GMZ630	Mobile Bay

MARINE ZONES FOR WFO SLIDELL, LA



SLIDELL, LA (LIX)

AREA OF RESPONSIBILITY BOUNDARIES

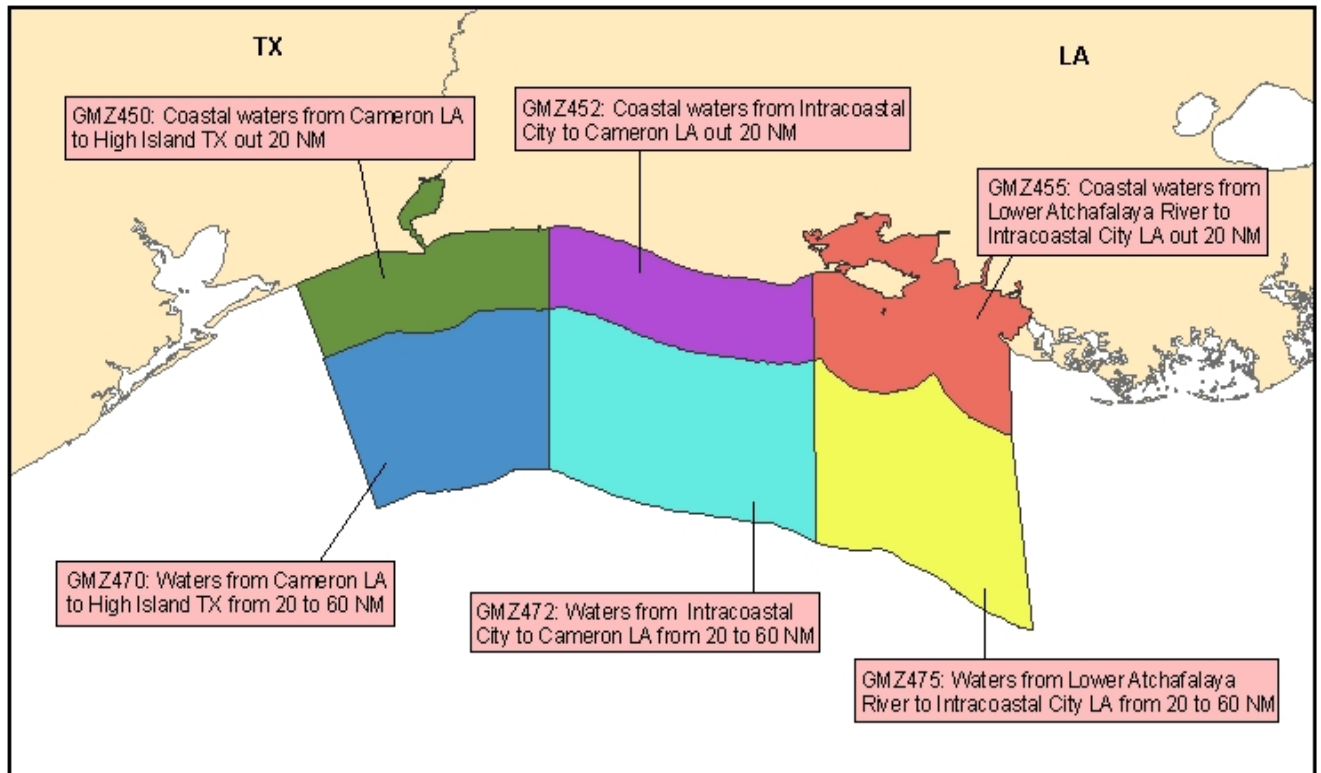
Alabama-Mississippi state line to Terrebone-St. Mary parish line out 60 NM

GMZ500	Synopsis Pascagoula to SW Pass Mississippi River
GMZ501	Synopsis for SW Pass of the Mississippi River to Atchafalaya River
GMZ530	Lake Pontchartrain and Lake Maurepas
GMZ555	Coastal waters from Pascagoula MS to the Southwest Pass of the Mississippi River out 20 NM
GMZ575	Waters from Pascagoula MS to the Southwest Pass of the Mississippi River from 20 to 60 NM

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- GMZ550 Coastal waters from the Southwest Pass of the Mississippi River to
Lower Atchafalaya River LA out 20 NM
- GMZ570 Waters from the Southwest Pass of the Mississippi River to Lower Atchafalaya
River LA from 20 to 60 NM

MARINE ZONES FOR WFO LAKE CHARLES, LA



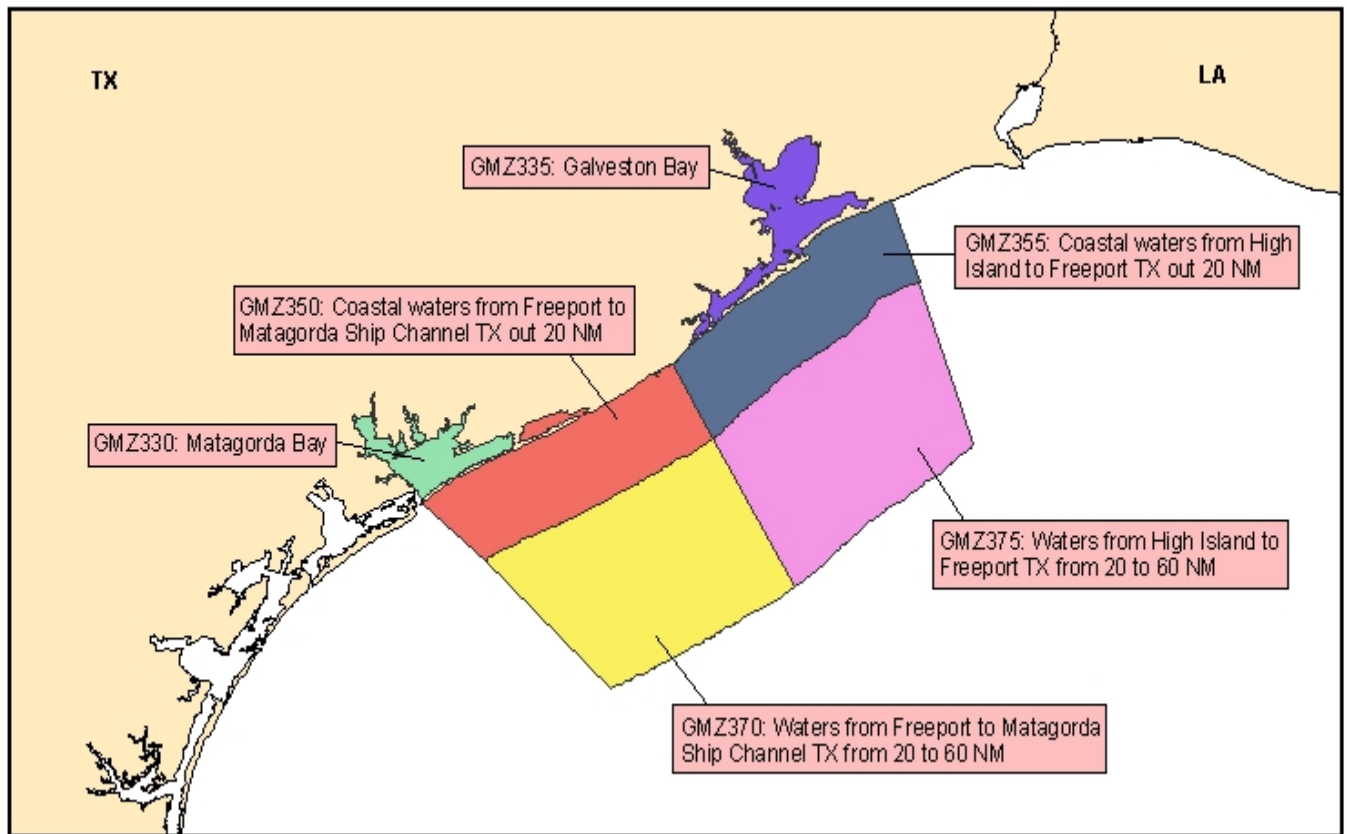
LAKE CHARLES, LA (LCH)

AREA OF RESPONSIBILITY BOUNDARIES

Terrebone-St. Mary parish line to the Chambers-Jefferson, TX, county line out 60 NM

GMZ400	Synopsis for Lower Atchafalaya River LA to High Island TX out 60 NM
GMZ455	Coastal waters from Lower Atchafalaya River to Intracoastal City LA out 20 NM
GMZ475	Waters from Lower Atchafalaya River to Intracoastal City LA from 20 to 60 NM
GMZ452	Coastal waters from Intracoastal City to Cameron LA out 20 NM
GMZ472	Waters from Intracoastal City to Cameron LA from 20 to 60 NM
GMZ450	Coastal waters from Cameron LA to High Island TX out 20 NM
GMZ470	Waters from Cameron LA to High Island TX from 20 to 60 NM

MARINE ZONES FOR WFO HOUSTON-GALVESTON, TX



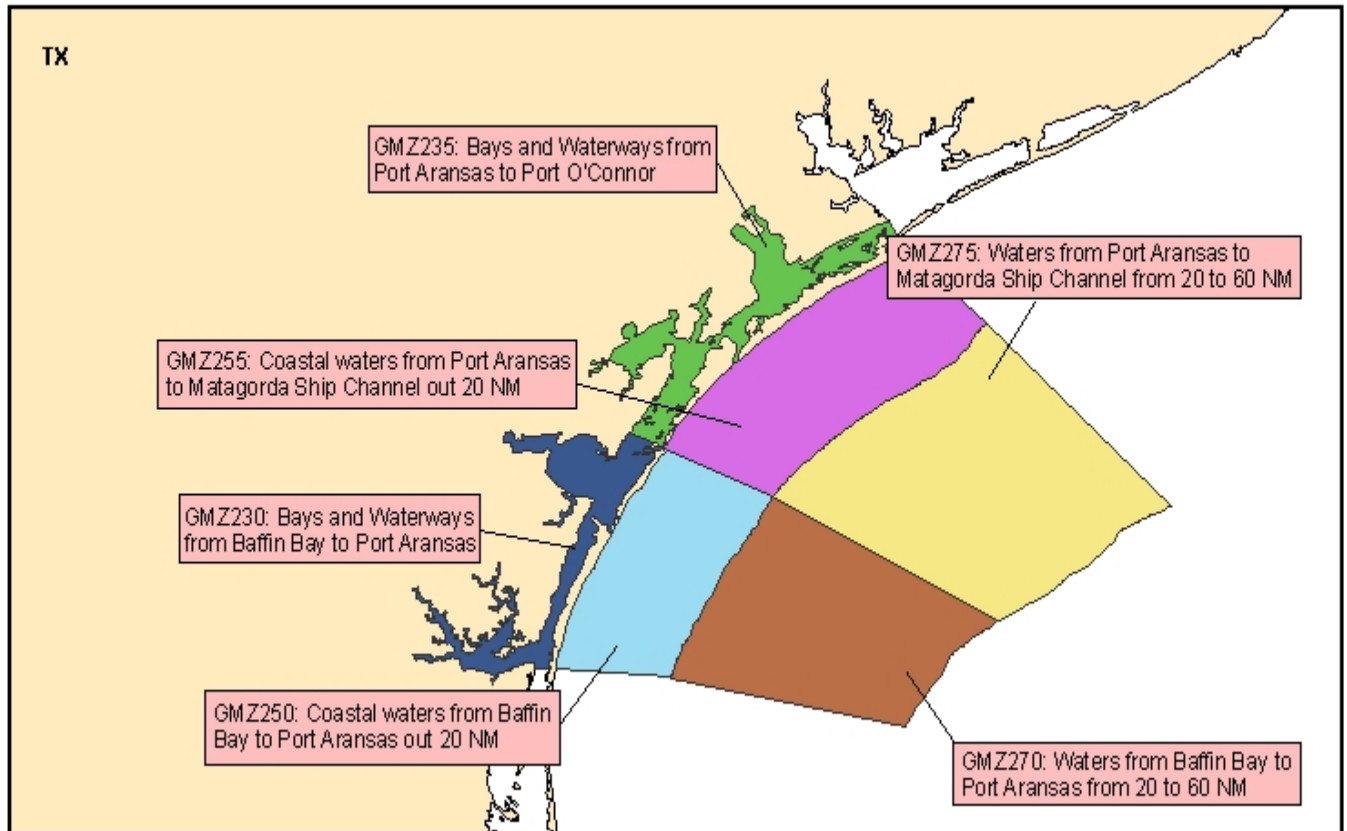
HOUSTON-GALVESTON, TX (HGX)

AREA OF RESPONSIBILITY BOUNDARIES

Chambers-Jefferson county line to Calhoun-Matagorda, TX, county line out 60 NM

GMZ300	Synopsis for High Island to Matagorda Ship Channel out 60 Nautical Miles including Galveston and Matagorda Bays
GMZ335	Galveston Bay
GMZ355	Coastal waters from High Island to Freeport TX out 20 NM
GMZ375	Waters from High Island to Freeport TX from 20 to 60 NM
GMZ330	Matagorda Bay
GMZ350	Coastal waters from Freeport to Matagorda Ship Channel TX out 20 NM
GMZ370	Waters from Freeport to Matagorda Ship Channel TX from 20 to 60 NM

MARINE ZONES FOR WFO CORPUS CHRISTI, TX



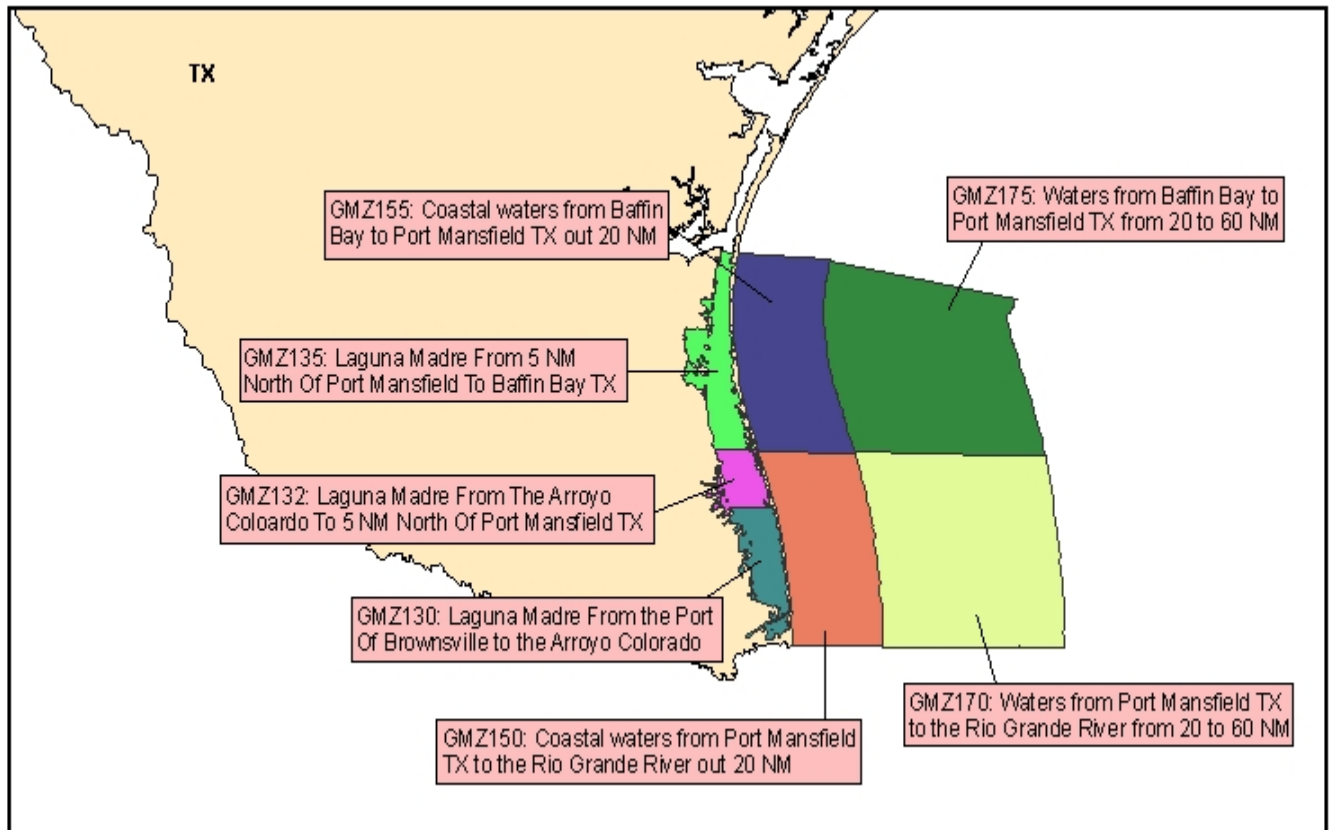
CORPUS CHRISTI, TX (CRP)

AREA OF RESPONSIBILITY BOUNDARIES

Calhoun-Matagorda county line to Kenedy-Kleberg, TX, county line out 60 NM

GMZ200	Synopsis for the middle Texas coastal waters
GMZ235	Bays and Waterways from Port Aransas to Port O'Connor
GMZ255	Coastal waters from Port Aransas to Matagorda Ship Channel out 20 NM
GMZ275	Waters from Port Aransas to Matagorda Ship Channel from 20 to 60 NM
GMZ230	Bays and Waterways from Baffin Bay to Port Aransas
GMZ250	Coastal waters from Baffin Bay to Port Aransas out 20 NM
GMZ270	Waters from Baffin Bay to Port Aransas from 20 to 60 NM

MARINE ZONES FOR WFO BROWNSVILLE, TX



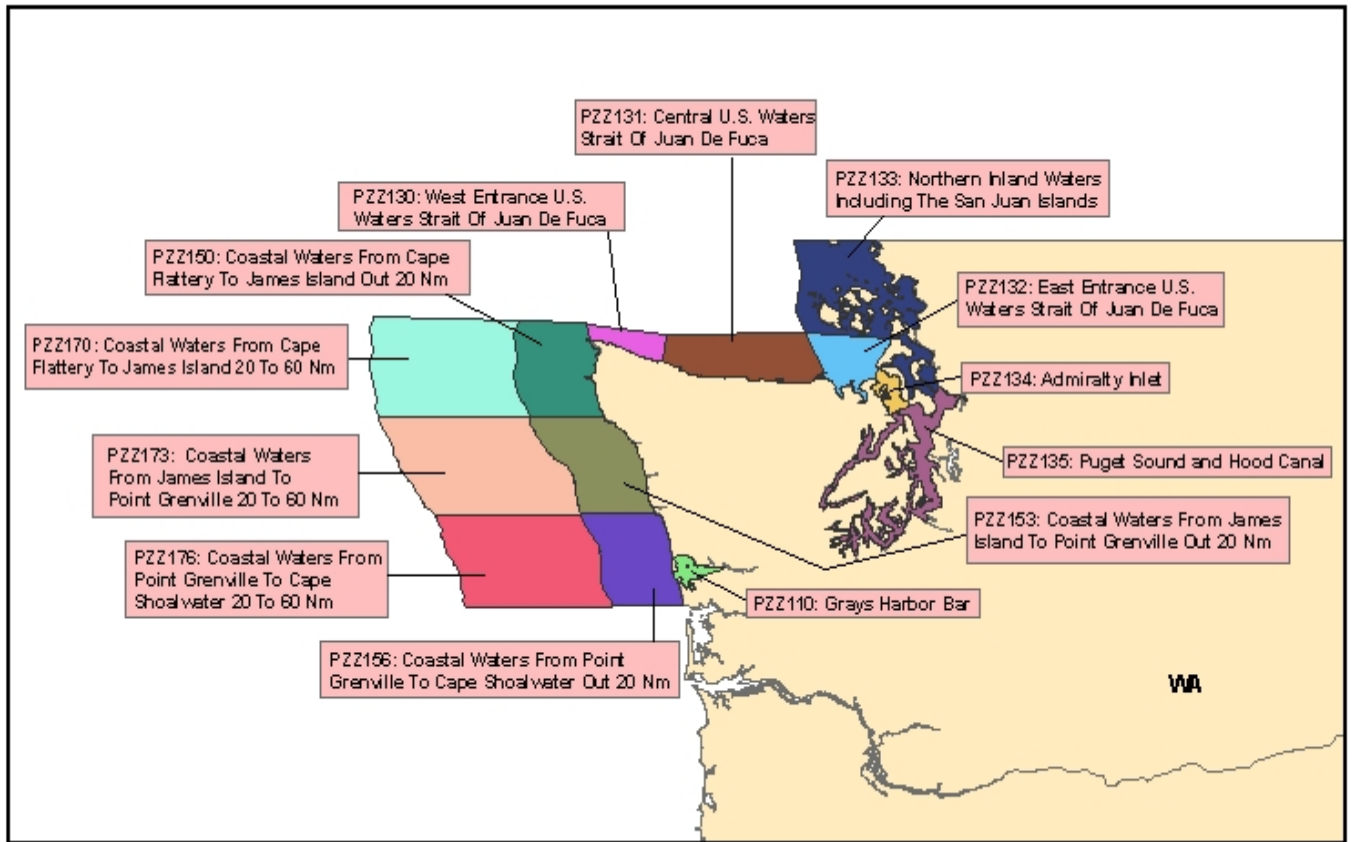
BROWNSVILLE, TX (BRO)

AREA OF RESPONSIBILITY BOUNDARIES

Kenedy-Kleberg, TX, county line to US-Mexican border (Rio Grande River) out 60 NM

GMZ100	Synopsis from Baffin Bay to the Rio Grande River out 60 NM
GMZ155	Coastal waters from Baffin Bay to Port Mansfield TX out 20 NM
GMZ175	Waters from Baffin Bay to Port Mansfield TX from 20 to 60 NM
GMZ130	Laguna Madre From the Port of Brownsville to the Arroyo Colorado
GMZ132	Laguna Madre From the Arroyo Colorado To 5 NM North of Port Mansfield TX
GMZ135	Laguna Madre From 5 nm North of Port Mansfield To Baffin Bay TX
GMZ150	Coastal waters from Port Mansfield TX to the Rio Grande River out 20 NM
GMZ170	Waters from Port Mansfield TX to the Rio Grande River from 20 to 60 NM

MARINE ZONES FOR WFO SEATTLE, WA



SEATTLE, WA (SEW)

AREA OF RESPONSIBILITY BOUNDARIES

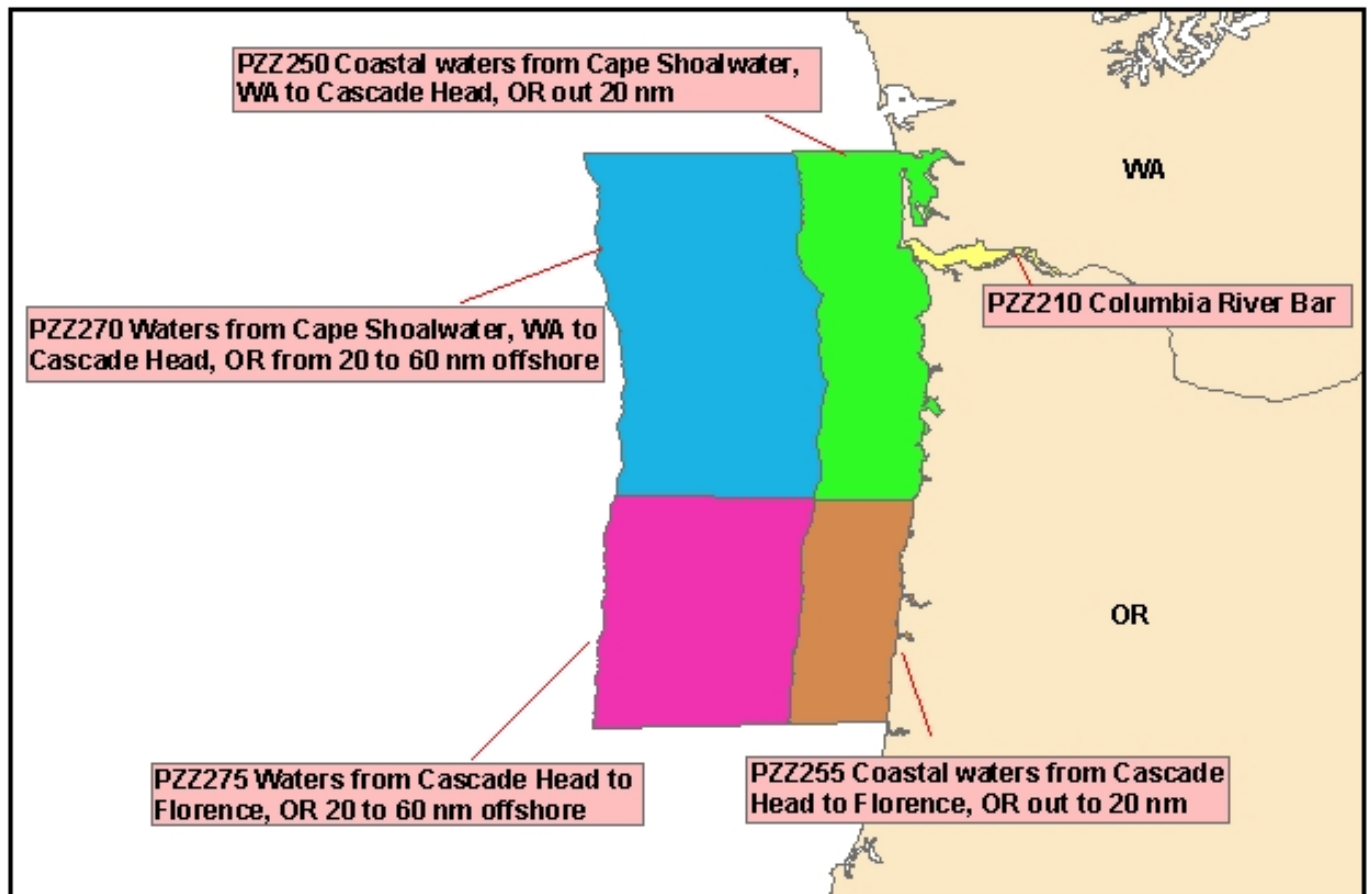
Inland Waters of Western Washington and the Northern and Central Washington Coastal Waters
Includes the Olympic Coast National Marine Sanctuary

PZZ100	Synopsis for Northern and Central Washington Coastal and Inland Waters
PZZ133	Northern inland waters including the San Juan Islands
PZZ135	Puget Sound and Hood Canal
PZZ134	Admiralty Inlet
PZZ132	East Entrance U.S. waters Strait of Juan de Fuca
PZZ131	Central U.S. waters Strait of Juan de Fuca
PZZ130	West Entrance U.S. waters Strait of Juan de Fuca
PZZ150	Coastal waters from Cape Flattery to James Island out 20 NM
PZZ170	Coastal waters from Cape Flattery to James Island 20 to 60 NM
PZZ153	Coastal waters from James Island to Point Grenville out 20 NM
PZZ173	Coastal waters from James Island to Point Grenville 20 to 60 NM

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PZZ156	Coastal waters from Point Grenville to Cape Shoalwater out 20 NM
PZZ176	Coastal waters from Point Grenville to Cape Shoalwater 20 to 60 NM
PZZ110	Grays Harbor Bar - Two period wave/current forecast only

MARINE ZONES FOR WFO PORTLAND, OR



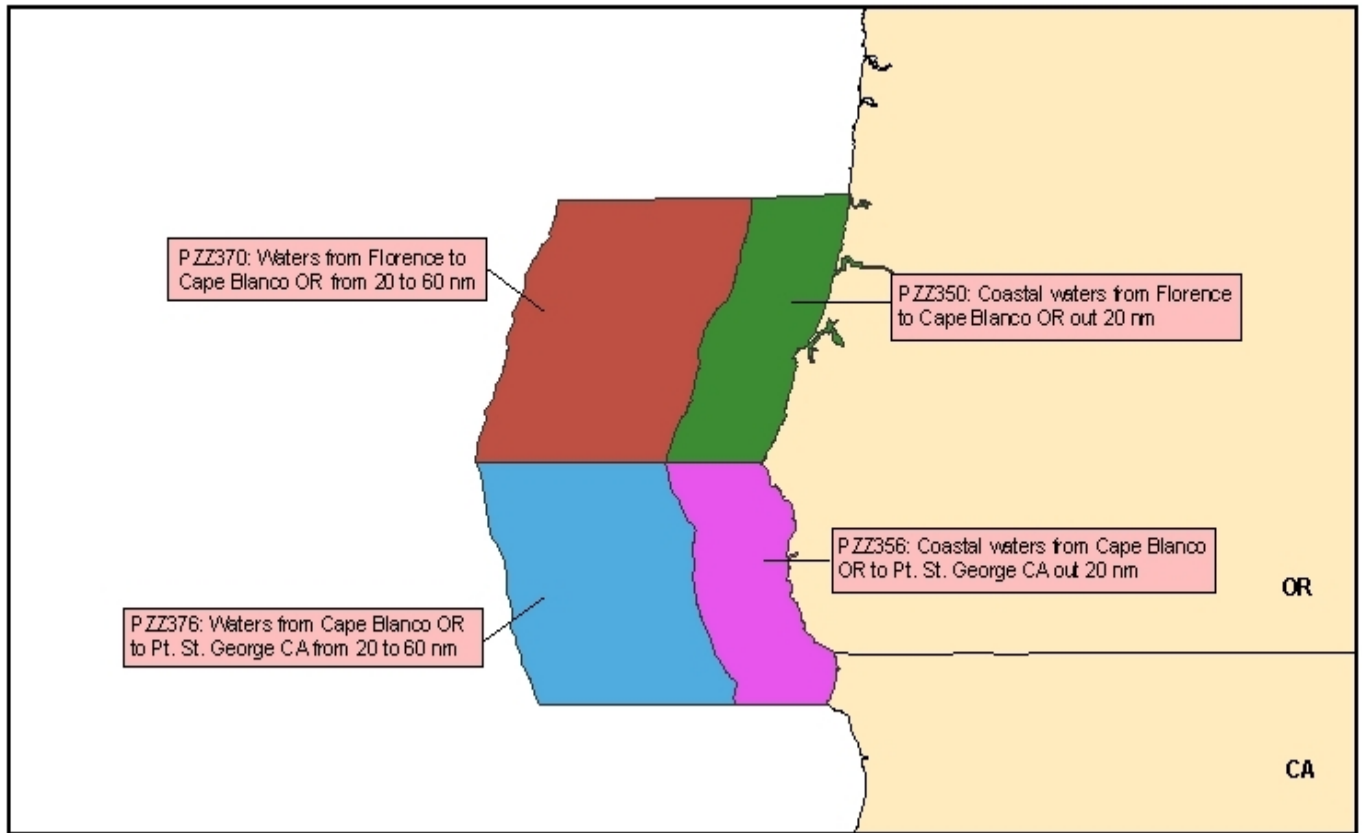
PORTLAND, OR (PQR)

AREA OF RESPONSIBILITY BOUNDARIES

Pacific-Grays Harbor, WA, county line to Douglas-Lane, OR, county line out 60 NM

PZZ200	Synopsis for Southern Washington and Northern Oregon Coast
PZZ250	Coastal waters from Cape Shoalwater WA to Cascade Head OR out 20 NM
PZZ270	Waters from Cape Shoalwater WA to Cascade Head OR from 20 to 60 NM
PZZ210	Columbia River Bar - Two period wave/current forecast only
PZZ255	Coastal waters from Cascade Head to Florence OR out 20 NM
PZZ275	Waters from Cascade Head to Florence OR from 20 to 60 NM

MARINE ZONES FOR WFO MEDFORD, OR



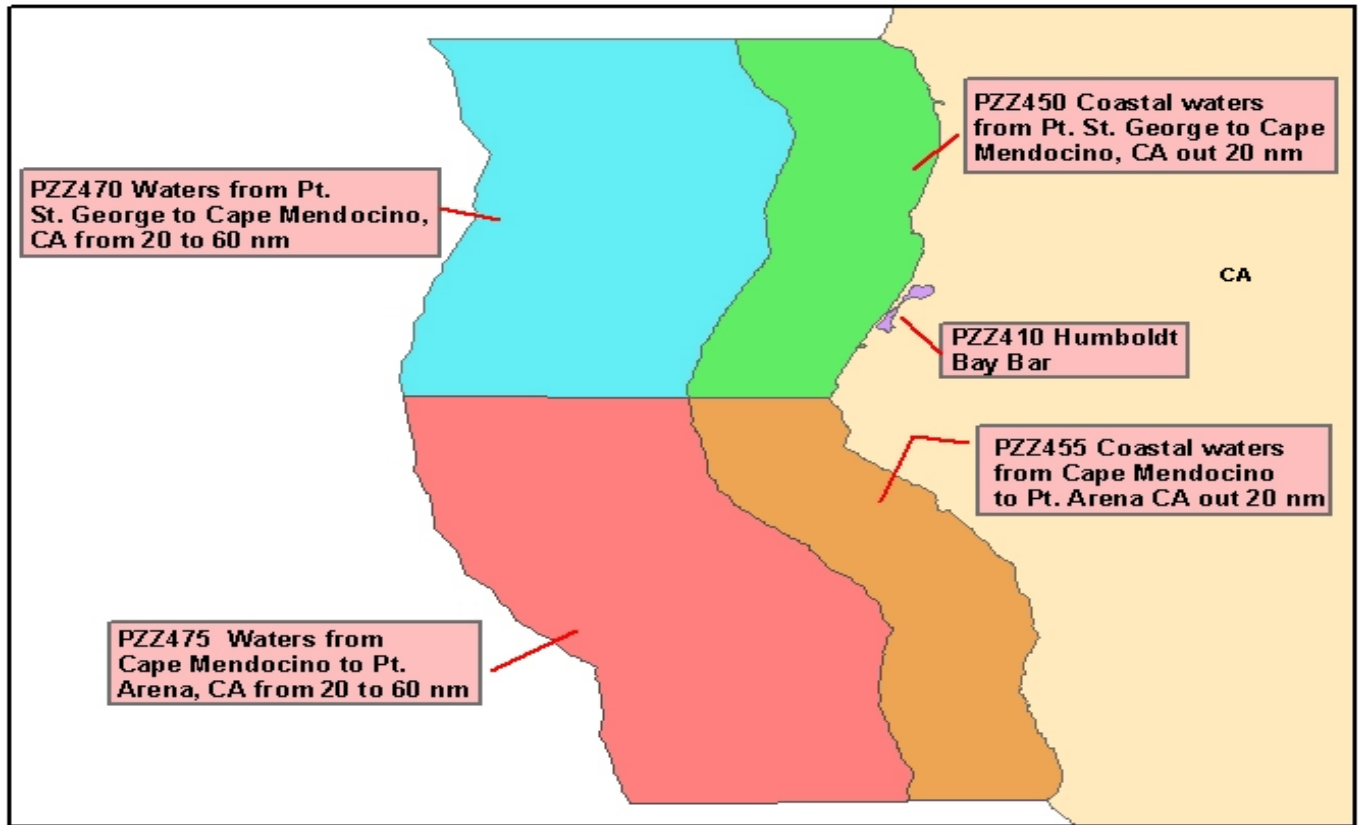
MEDFORD, OR (MFR)

AREA OF RESPONSIBILITY BOUNDARIES

Douglas-Lane, OR, county line to Oregon-California border out 60 NM

PZZ300	Synopsis for the Southern Oregon Coastal Waters
PZZ350	Coastal waters from Florence to Cape Blanco OR out 20 NM
PZZ370	Waters from Florence to Cape Blanco OR from 20 to 60 NM
PZZ356	Coastal waters from Cape Blanco OR to Pt. St. George CA out 20 NM
PZZ376	Waters from Cape Blanco OR to Pt. St. George CA from 20 to 60 NM

MARINE ZONES FOR WFO EUREKA, CA



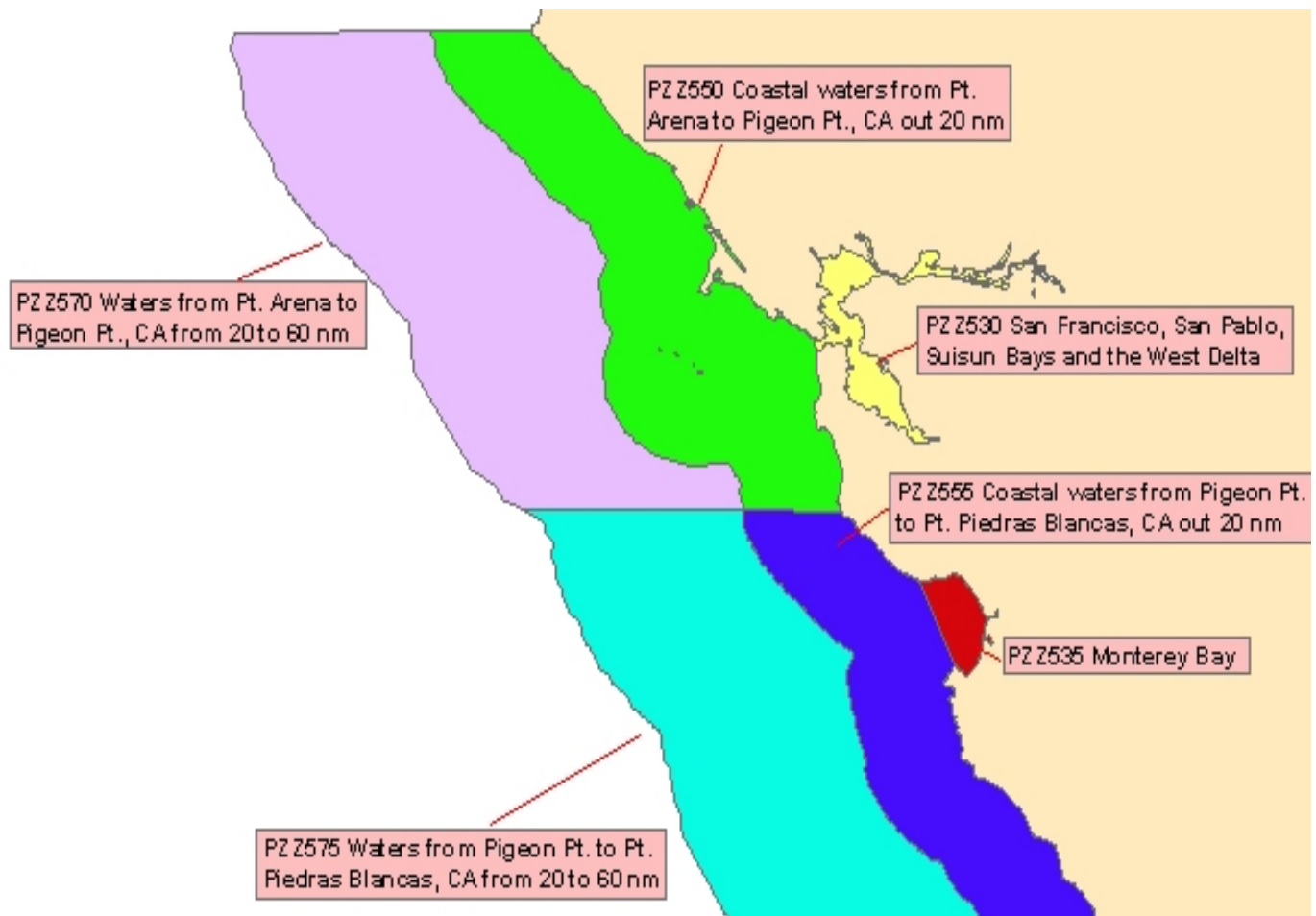
EUREKA, CA (EKA)

AREA OF RESPONSIBILITY BOUNDARIES

Oregon-California border to Sonoma-Mendocino, CA county line out 60 NM

PZZ400	Synopsis for Northern California Waters
PZZ450	Coastal waters from Pt. St. George to Cape Mendocino CA out 20 NM
PZZ470	Waters from Pt. St. George to Cape Mendocino CA from 20 to 60 NM
PZZ455	Coastal waters from Cape Mendocino to Pt. Arena CA out 20 NM
PZZ475	Waters from Cape Mendocino to Pt. Arena CA from 20 to 60 NM
PZZ410	Humboldt Bay Bar - Three period wave/current forecast only – The forecast will be provided for the first three days of the corresponding Coastal Waters Forecast.

MARINE ZONES FOR WFO SAN FRANCISCO BAY AREA AT MONTEREY, CA



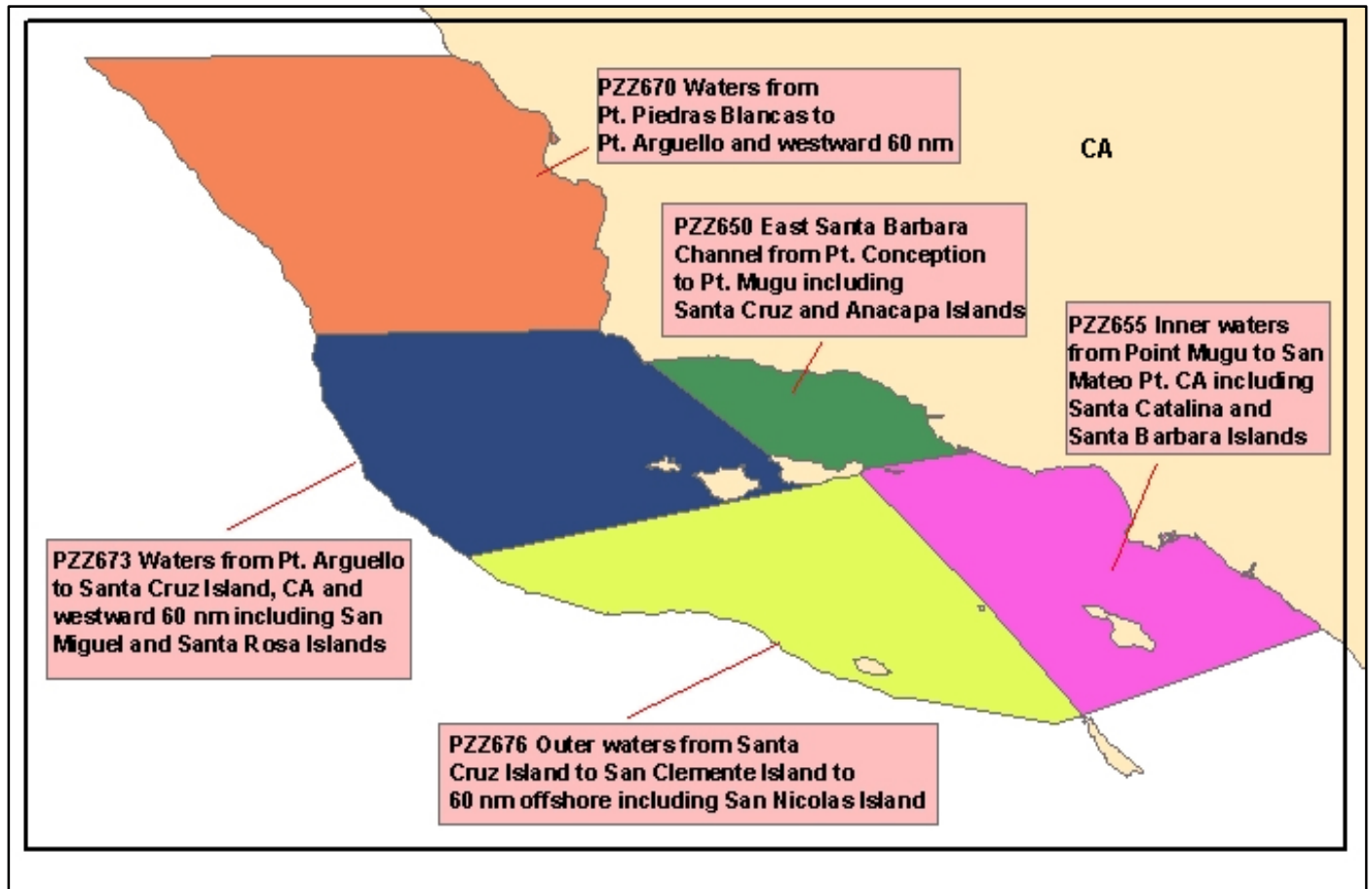
SAN FRANCISCO BAY AREA AT MONTEREY, CA (MTR)

AREA OF RESPONSIBILITY BOUNDARIES

Sonoma-Mendocino county line to Monterey-San Luis Obispo, CA county line out 60 NM
Includes the Monterey Bay, Gulf of the Farallones, and Cordell Bank National Marine Sanctuaries

PZZ500	Synopsis for Central California Coast and Bays including Monterey Bay...Gulf of the Farallones...and Cordell Bank National Marine Sanctuaries
PZZ550	Coastal waters from Point Arena to Pigeon Point CA out 20 NM
PZZ570	Waters from Point Arena to Pigeon Point CA from 20 to 60 NM
PZZ555	Coastal waters from Pigeon Point to Point Piedras Blancas CA out 20 NM
PZZ575	Waters from Pigeon Point to Point Piedras Blancas CA from 20 to 60 NM
PZZ535	Monterey Bay
PZZ530	San Francisco San Pablo Suisun Bays and West Delta

MARINE ZONES FOR WFO LOS ANGELES, CA



LOS ANGELES, CA (LOX)

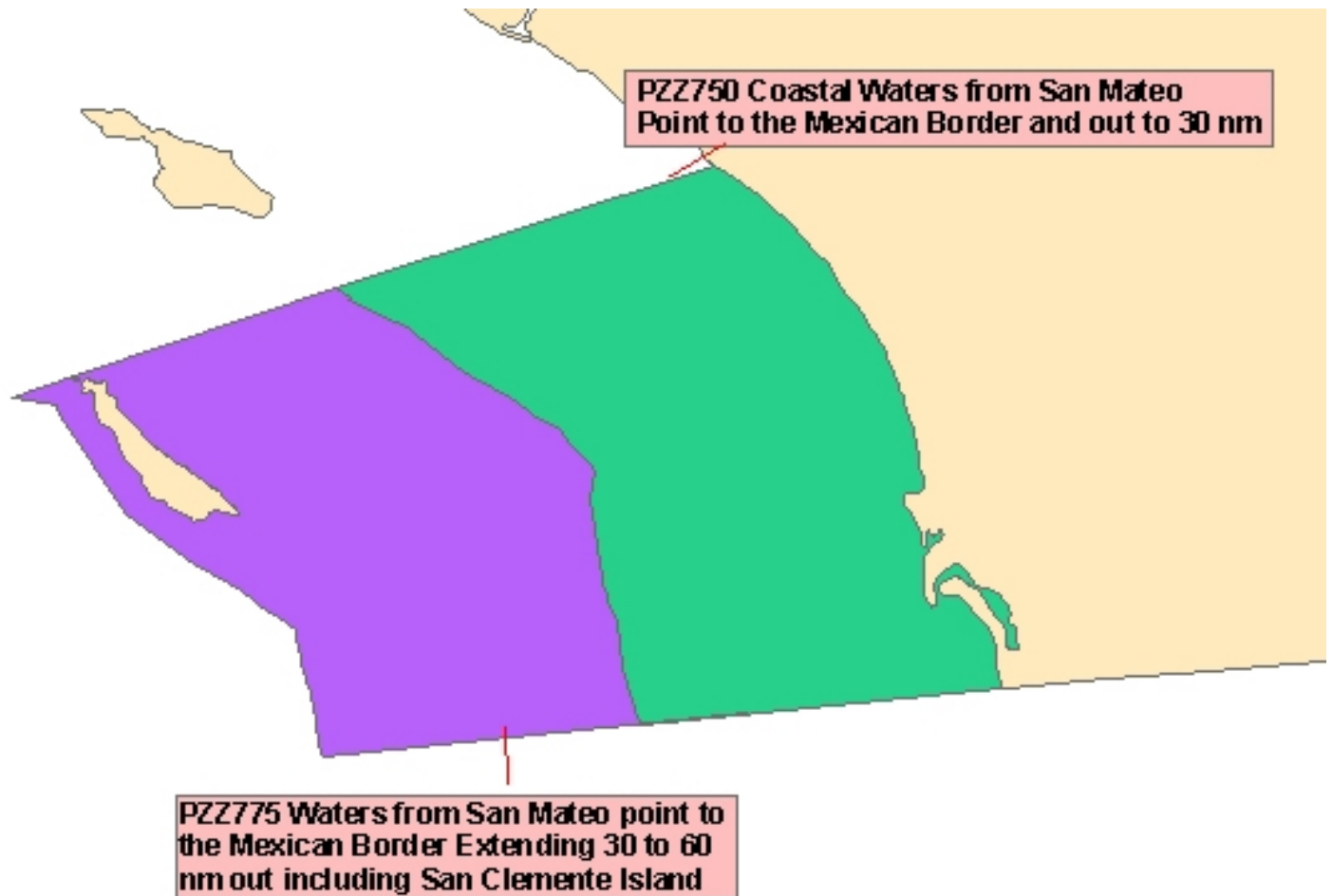
AREA OF RESPONSIBILITY BOUNDARIES

Monterey-San Luis Obispo county line to San Diego-Orange, CA county line out 60 NM
Includes the Channel Islands National Marine Sanctuary

- | | |
|--------|--|
| PZZ600 | Synopsis for Southern California Coast and Santa Barbara Channel including the Channel Islands National Marine Sanctuary |
| PZZ670 | Waters from Pt. Piedras Blancas to Pt. Arguello CA westward 60 NM |
| PZZ673 | Waters from Pt. Arguello to Santa Cruz Island CA westward 60 NM including San Miguel and Santa Rosa Islands |
| PZZ650 | East Santa Barbara Channel from Pt. Conception to Pt. Mugu CA including Santa Cruz and Anacapa Islands |
| PZZ655 | Inner waters from Point Mugu to San Mateo Pt. CA including Santa Catalina and Santa Barbara Islands |

PZZ676 Outer waters from Santa Cruz Island to San Clemente Island to 60 NM offshore
including San Nicholas Island

MARINE ZONES FOR WFO SAN DIEGO, CA



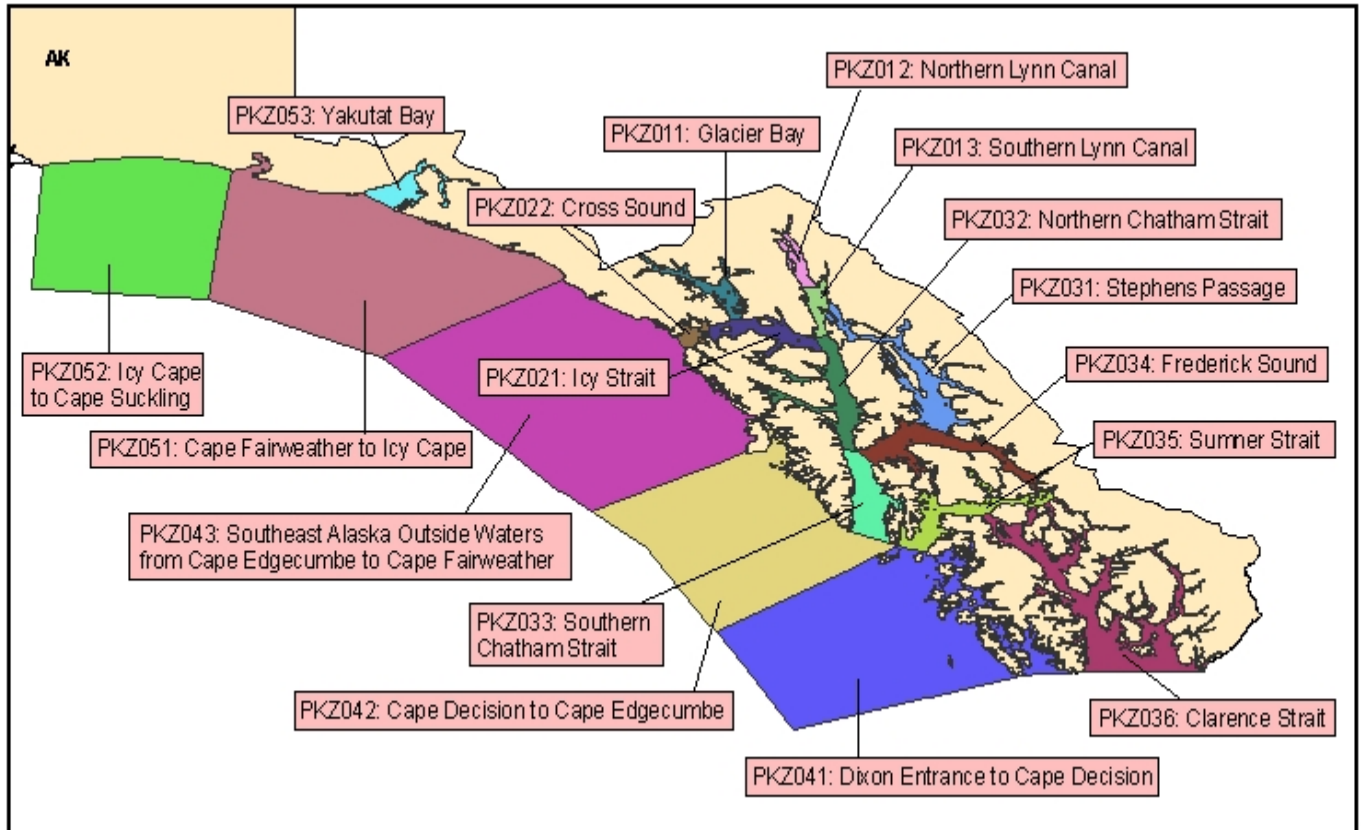
SAN DIEGO, CA (SGX)

AREA OF RESPONSIBILITY BOUNDARIES

San Diego-Orange, CA, county line to US-Mexico border near San Diego, CA out 60 NM

PZZ700	Synopsis for Far Southern California Coast
PZZ750	Coastal Waters from San Mateo Point to the Mexican border and out 30 NM
PZZ775	Waters from San Mateo Point to the Mexican Border extending 30 to 60 NM out including San Clemente Island

MARINE ZONES FOR WFO JUNEAU, AK



JUNEAU, AK (AJK)

YAKATAK, AK (AYA)

Yakutat Bay

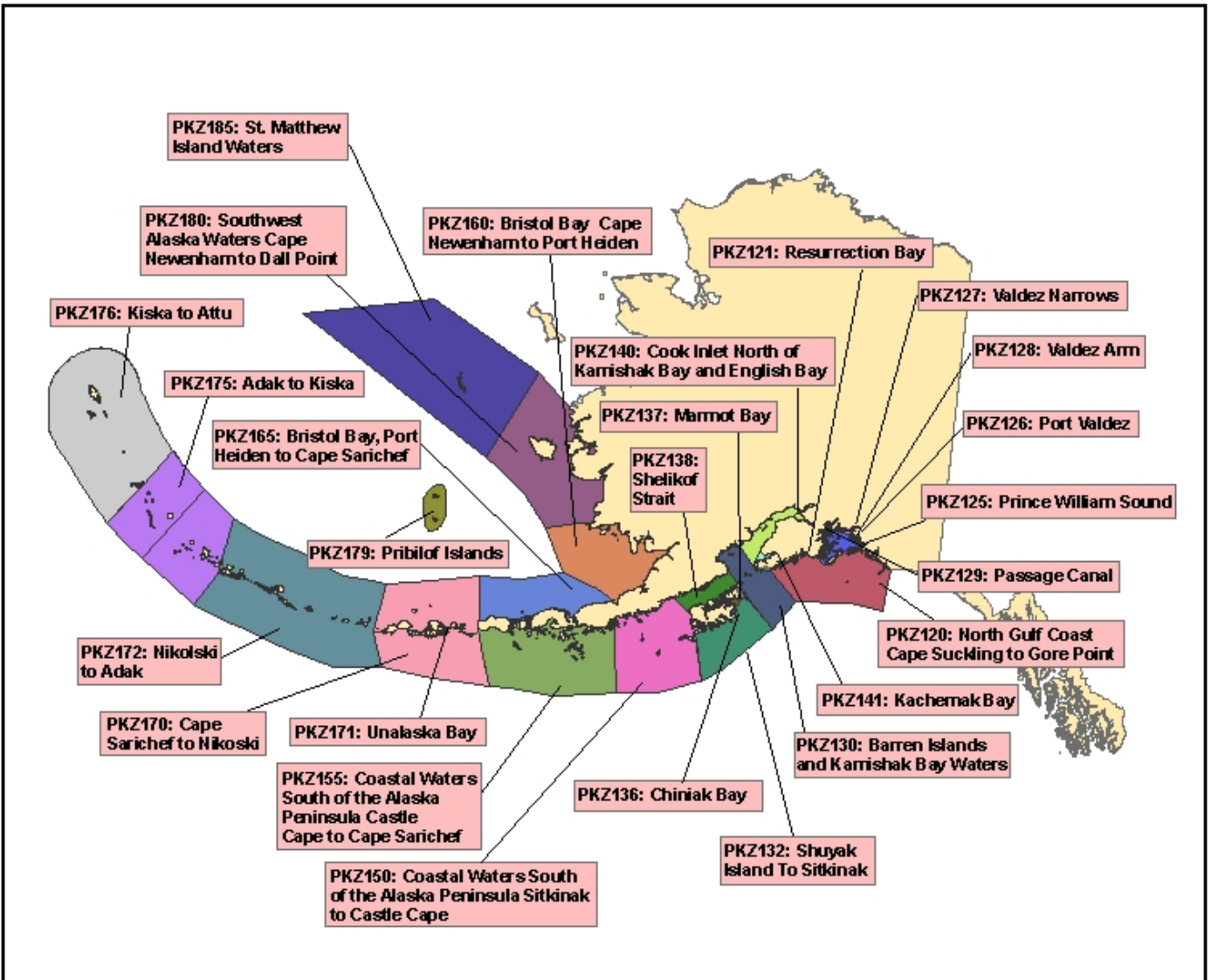
AREA OF RESPONSIBILITY BOUNDARIES

Coastal and Inside Waters Dixon Entrance to Cape Suckling including Yakutat Bay out to 100 nm.

PKZ098	Synopsis for Southeast Alaska Inner Channels Coastal Waters
PKZ011	Glacier Bay
PKZ012	Northern Lynn Canal
PKZ013	Southern Lynn Canal
PKZ021	Icy Strait
PKZ022	Cross Sound
PKZ031	Stephens Passage
PKZ032	Northern Chatham Strait
PKZ033	Southern Chatham Strait

PKZ034	Frederick Sound
PKZ035	Sumner Strait
PKZ036	Clarence Strait
PKZ099	Synopsis for Outside Waters
PKZ041	Dixon Entrance to Cape Decision
PKZ042	Cape Decision to Cape Edgecumbe
PKZ043	Cape Edgecumbe to Cape Fairweather
PKZ051	Cape Fairweather to Icy Cape
PKZ052	Icy Cape to Cape Suckling
PKZ053	Yakutat Bay

MARINE ZONES FOR WFO ANCHORAGE, AK



ANCHORAGE, AK (AFC)

North Gulf Coast and Kodiak Island and Cook Inlet
Southwest Alaska and Bristol Bay and the Alaska Peninsula Waters and the Aleutian Islands

KODIAK, AK (ADQ)

Chiniak and Marmot Bays

VALDEZ, AK (AVW)

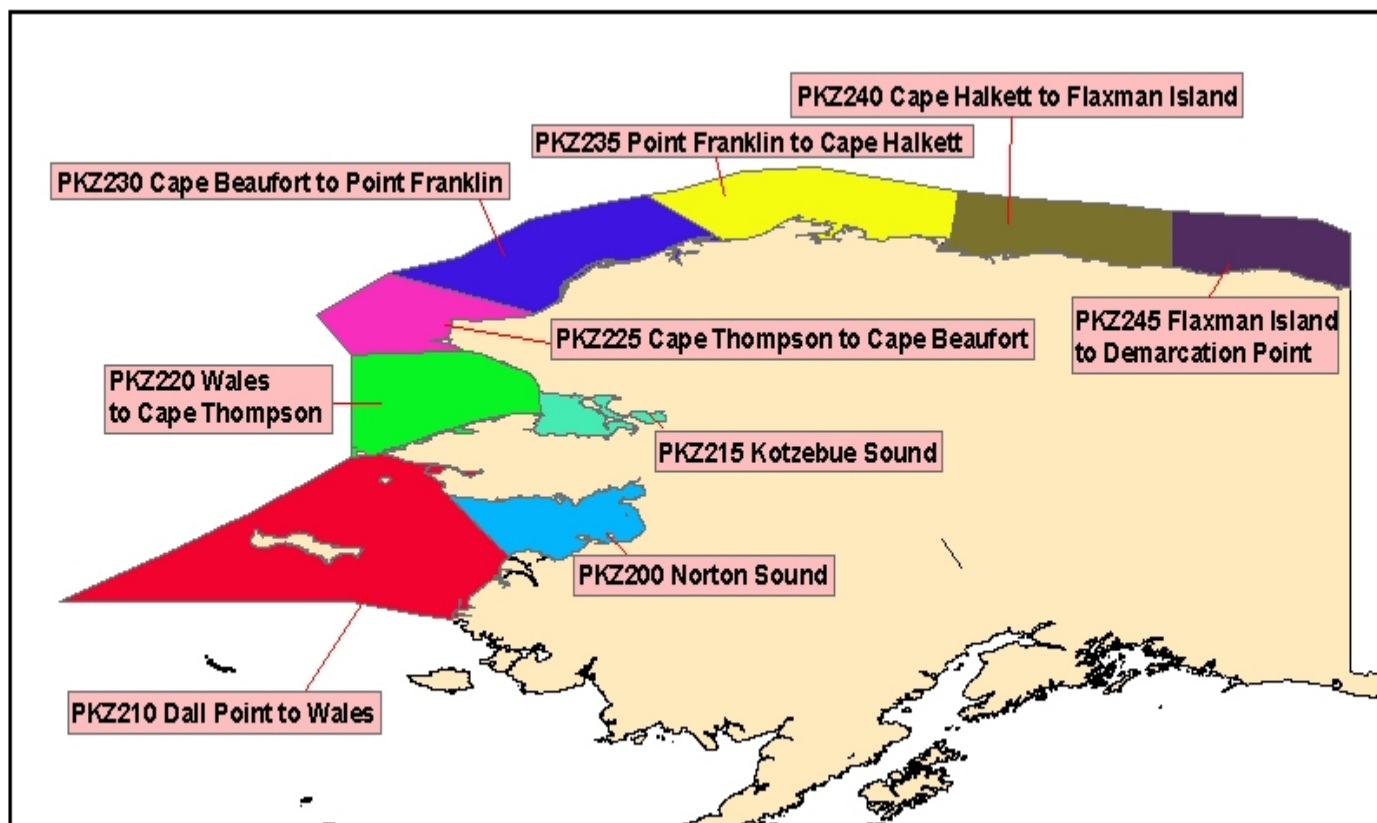
Port of Valdez and Valdez Narrows and Valdez Arm

AREA OF RESPONSIBILITY BOUNDARIES

Cape Suckling to Dall Point including the Aleutian Islands, Pribilof Islands, and St. Matthew Island out to 100 NM.

PKZ197	Synopsis for the North Gulf Coast...Kodiak Island Waters...and Cook Inlet
PKZ120	Cape Suckling to Gore Point
PKZ121	Resurrection Bay
PKZ125	Prince William Sound
PKZ129	Passage Canal
PKZ130	Barren Islands and Kamishak Bay Waters
PKZ132	Shuyak Island to Sitkinak
PKZ138	Shelikof Strait
PKZ140	Cook Inlet North of Kamishak and English Bay
PKZ141	Kachemak Bay
PKZ199	Synopsis for Southwest Alaska...Bristol Bay...the Alaska Peninsula Waters...and the Aleutian Islands
PKZ150	Sitkinak to Castle Cape
PKZ155	Castle Cape to Cape Sarichef
PKZ160	Cape Newenham to Port Heiden
PKZ165	Port Heiden to Cape Sarichef
PKZ180	Cape Newenham to Dall Point
PKZ170	Cape Sarichef to Nikolski
PKZ171	Unalaska Bay
PKZ172	Nikolski to Adak
PKZ175	Adak to Kiska
PKZ176	Kiska to Attu
PKZ179	Pribilof Islands Nearshore Waters (out 5 NM only)
PKZ185	St. Matthew Island Waters
PKZ136	Chiniak Bay
PKZ137	Marmot Bay
PKZ126	Port Valdez
PKZ127	Valdez Narrows
PKZ128	Valdez Arm

MARINE ZONES FOR WFO FAIRBANKS, AK



FAIRBANKS, AK (AFG)

AREA OF RESPONSIBILITY BOUNDARIES

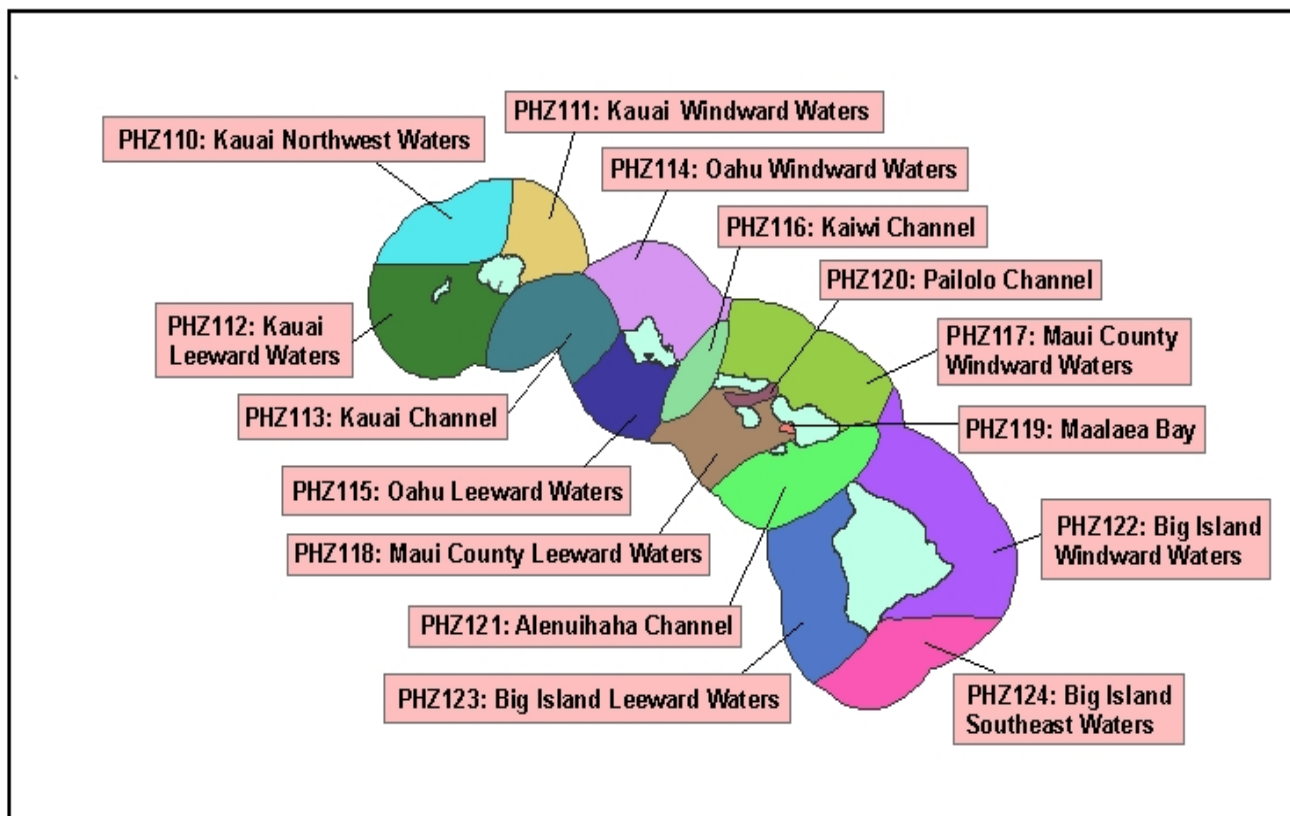
Arctic Alaska Coastal Waters Forecast

Cape Thompson to Demarcation Point out to 100 NM.

PKZ298	Synopsis for Arctic Coast
PKZ225	Cape Thompson to Cape Beaufort
PKZ230	Cape Beaufort to Point Franklin
PKZ235	Point Franklin to Cape Halkett
PKZ240	Cape Halkett to Flaxman Island
PKZ245	Flaxman Island to Demarcation Point
PKZ299	Synopsis for Northwest Coast
PKZ200	Norton Sound

PKZ210	Dall Point to Wales
PKZ215	Kotzebue Sound
PKZ220	Wales to Cape Thompson

MARINE ZONES FOR WFO HONOLULU, HI



HONOLULU, HI (HFO)

AREA OF RESPONSIBILITY BOUNDARIES

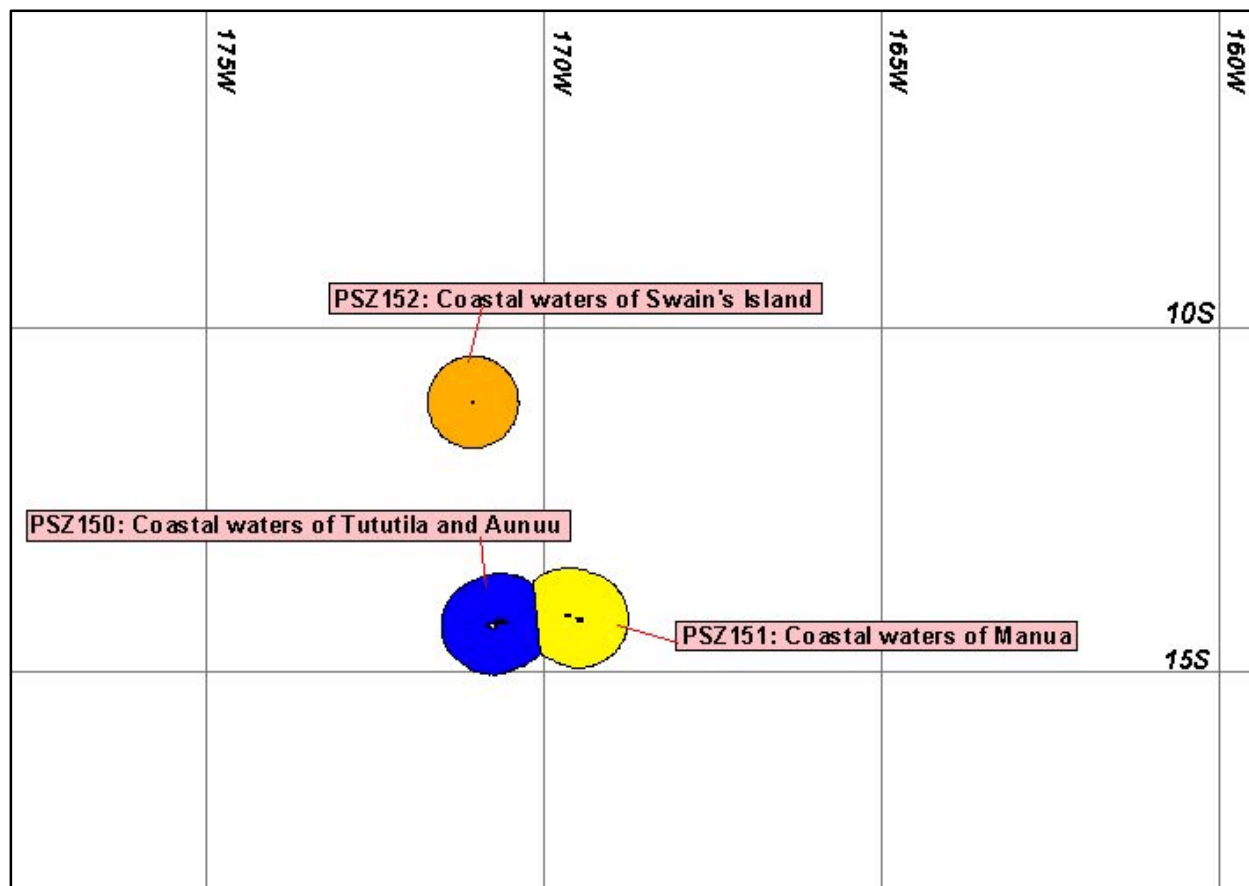
Water area within 40 NM of the main Hawaiian Islands

Includes the Hawaiian Islands Humpback Whale National Marine Sanctuary

PHZ100	Synopsis for Hawaiian Coastal Waters
PHZ110	Kauai Northwest Waters
PHZ111	Kauai Windward Waters
PHZ112	Kauai Leeward Waters
PHZ113	Kauai Channel
PHZ114	Oahu Windward Waters
PHZ115	Oahu Leeward Waters
PHZ116	Kaiwi Channel
PHZ117	Maui County Windward Waters
PHZ118	Maui County Leeward Waters
PHZ119	Maalaea Bay
PHZ120	Pailolo Channel
PHZ121	Alenuihaha Channel

PHZ122	Big Island Windward Waters
PHZ123	Big Island Leeward Waters
PHZ124	Big Island Southeast Waters

MARINE ZONES FOR WSO PAGO PAGO



PAGO PAGO, AMERICAN SAMOA (STU)

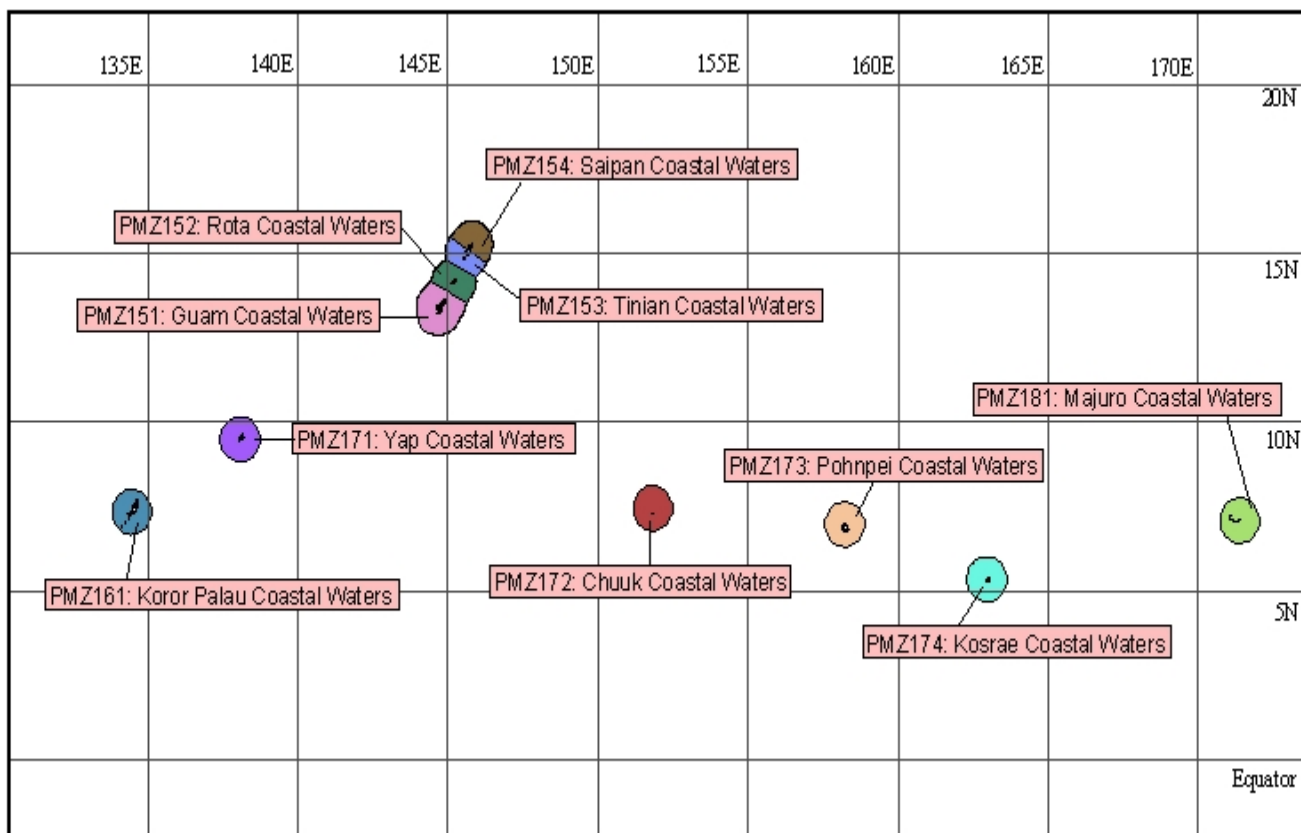
AREA OF RESPONSIBILITY BOUNDARIES

American Samoa Coastal Waters

Includes the Fagatele Bay National Marine Sanctuary

- PSZ100 Synopsis for American Samoa coastal waters
- PSZ150 Tututila and Aunuu coastal waters
- PSZ151 Manua coastal waters
- PSZ152 Swains Island coastal waters

MARINE ZONES FOR WFO GUAM



GUAM (GUM)

Guam and Commonwealth of the
North Marianas
Republic of Palau, Federated States of Micronesia,
Republic of the Marshall Islands

AREA OF RESPONSIBILITY BOUNDARIES

Guam and the Commonwealth of the Northern Mariana Islands within 40 NM of Guam, Rota, Tinian, and Saipan

The Republic of Palau within 40 NM of Koror

The Federated States of Micronesia within 40 NM of Yap, Chuuk, Pohnpei, and Kosrae

The Republic of the Marshall Islands within 40 NM of Majuro

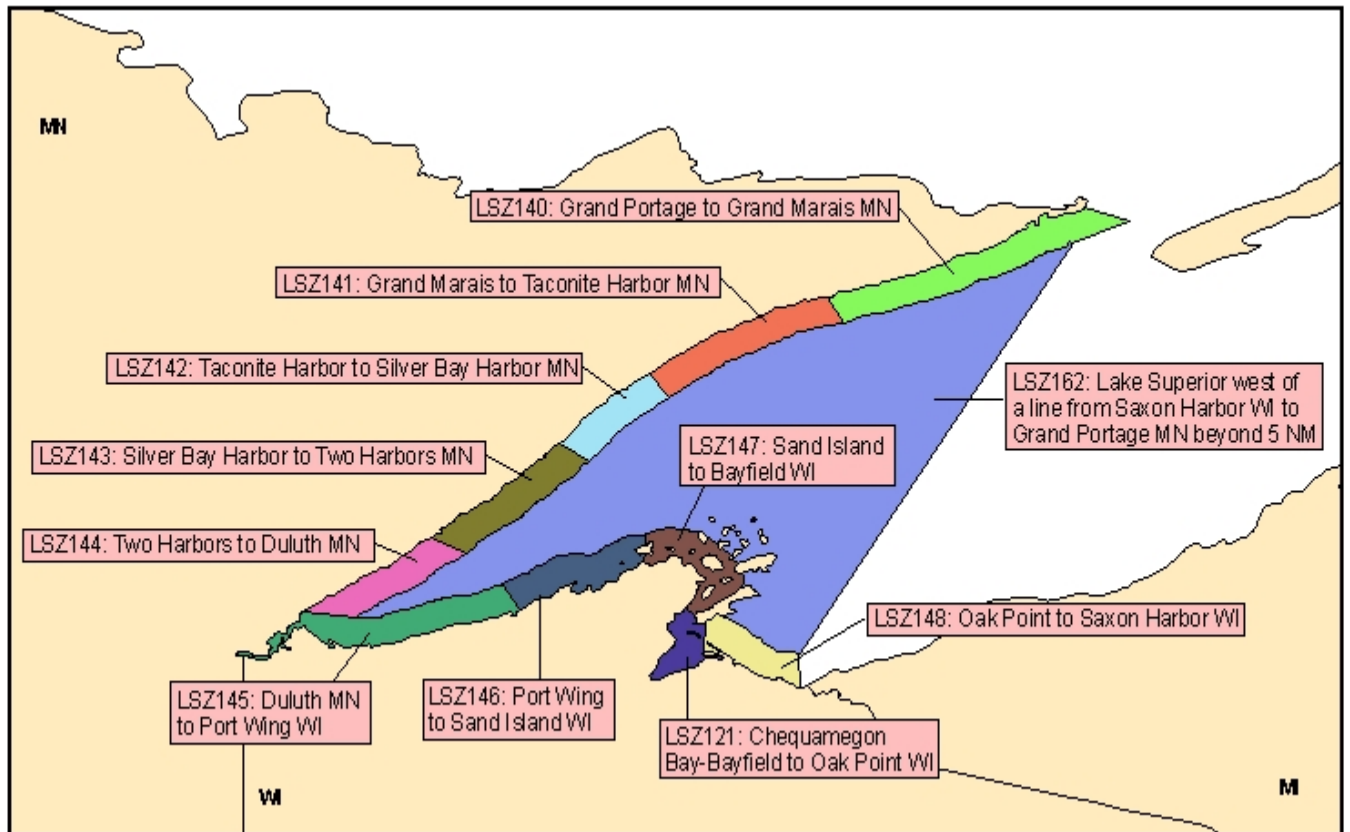
PMZ150 Synopsis for Marianas waters
PMZ151 Guam coastal waters
PMZ152 Rota coastal waters
PMZ153 Tinian coastal waters

PMZ154	Saipan coastal waters
PMZ161	Koror Palau coastal waters
PMZ171	Yap coastal waters
PMZ172	Chuuk coastal waters
PMZ173	Pohnpei coastal waters
PMZ174	Kosrae coastal waters
PMZ181	Majuro coastal waters

Note: Special Marine Warnings and Marine Weather Statements are issued for the Marianas coastal waters only.

2. Great Lakes Forecast Areas of Responsibility

MARINE ZONES FOR WFO DULUTH, MN



DULUTH, MN (DLH)

AREA OF RESPONSIBILITY BOUNDARIES

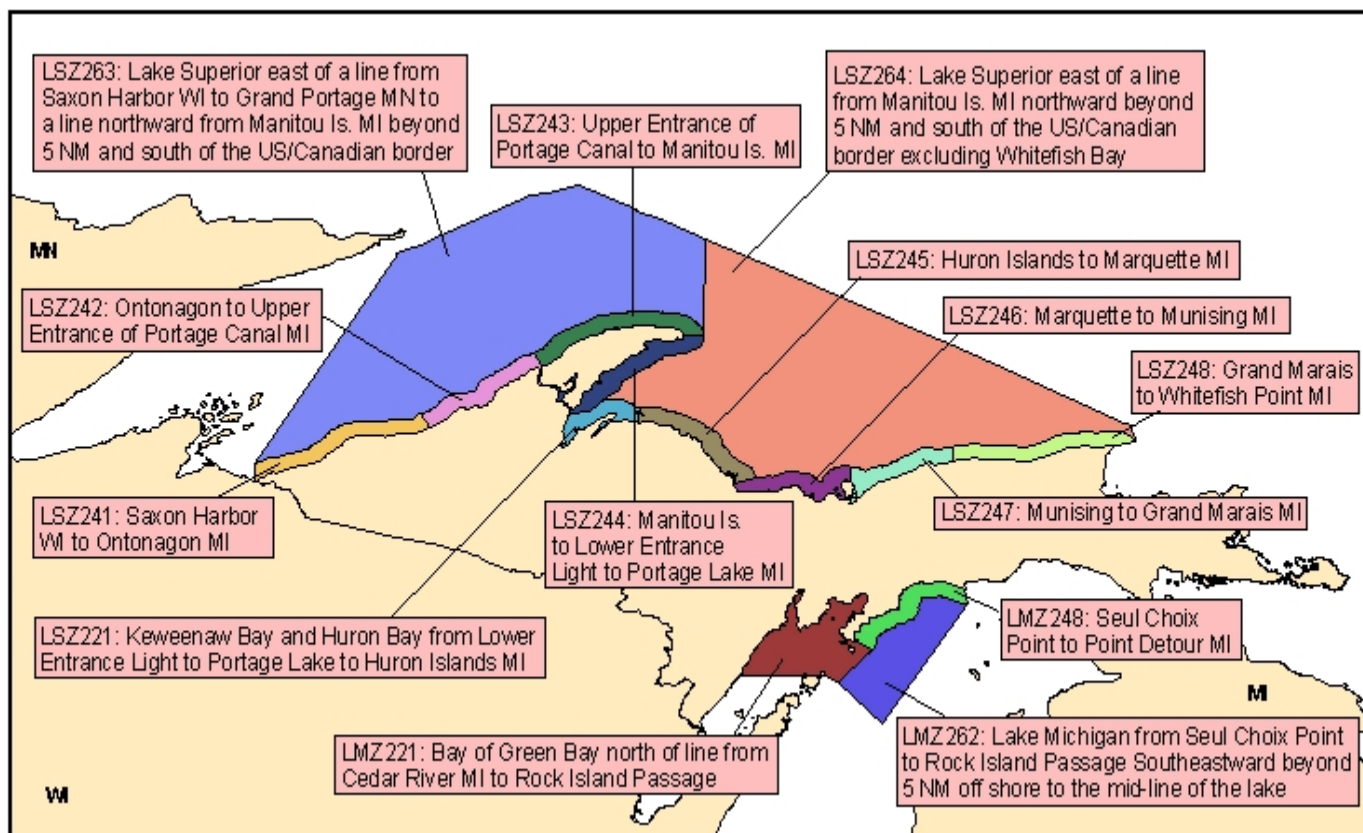
Lake Superior - US-Can border to WI/MI border

LSZ140	Grand Portage to Grand Marais MN
LSZ141	Grand Marais to Taconite Harbor MN
LSZ142	Taconite Harbor to Silver Bay Harbor MN
LSZ143	Silver Bay Harbor to Two Harbors MN
LSZ144	Two Harbors to Duluth MN
LSZ145	Duluth MN to Port Wing WI
LSZ146	Port Wing to Sand Island WI
LSZ147	Sand Island to Bayfield WI
LSZ121	Chequamegon Bay-Bayfield to Oak Point WI

LSZ148 Oak Point to Saxon Harbor WI
LSZ162* *Lake Superior west of a line from Saxon Harbor WI to Grand Portage MN
 beyond 5 NM

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MARQUETTE, MI



MARQUETTE, MI (MQT)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior

Lake Superior - WI/MI border to Whitefish Point, MI

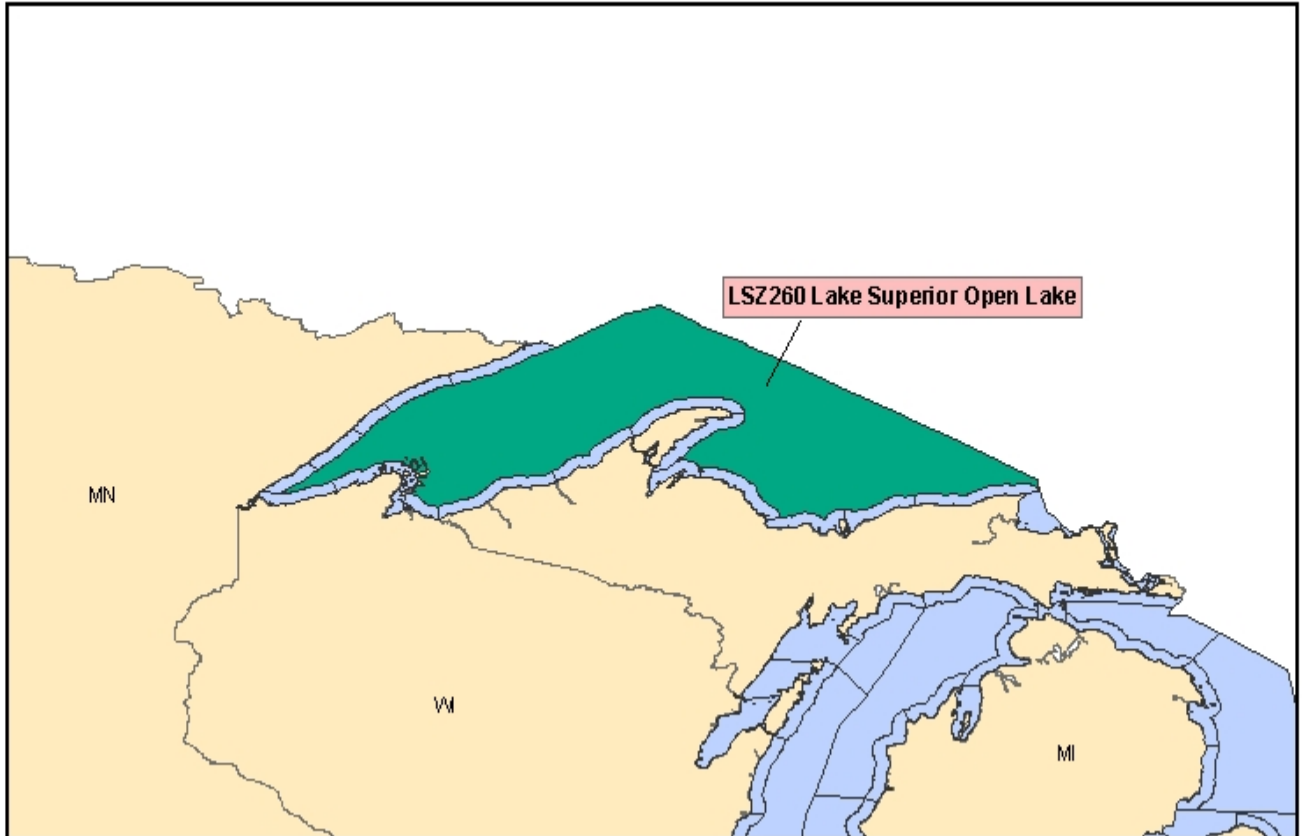
LSZ241	Saxon Harbor WI to Ontonagon MI
LSZ242	Ontonagon to Upper Entrance of Portage Canal MI
LSZ243	Upper Entrance of Portage Canal to Manitou Island MI
LSZ244	Manitou Island to Lower Entrance Light to Portage Lake MI
LSZ221	Keweenaw Bay and Huron Bay from Lower Entrance Light to Portage Lake to Huron Islands MI
LSZ245	Huron Islands to Marquette MI
LSZ246	Marquette to Munising MI
LSZ247	Munising to Grand Marais MI
LSZ248	Grand Marais to Whitefish Point MI
LSZ263*	*Lake Superior east of a line from Saxon Harbor WI to Grand Portage MN to a line Manitou Island MI north beyond 5 NM and south of the US/Canadian border
LSZ264*	*Lake Superior east of a line from Manitou Island MI northward beyond 5 NM and south of the US/Canadian border excluding Whitefish Bay.

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LMZ248 Seul Choix Point to Point Detour MI
LMZ221 Bay of Green Bay north of a line from Cedar River MI to Rock Island Passage
LMZ262* *Lake Michigan from Seul Choix Point to Rock Island Passage southeastward
 beyond 5 NM off shore to the mid-line of the lake

- Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MARQUETTE, MI – Open Lake

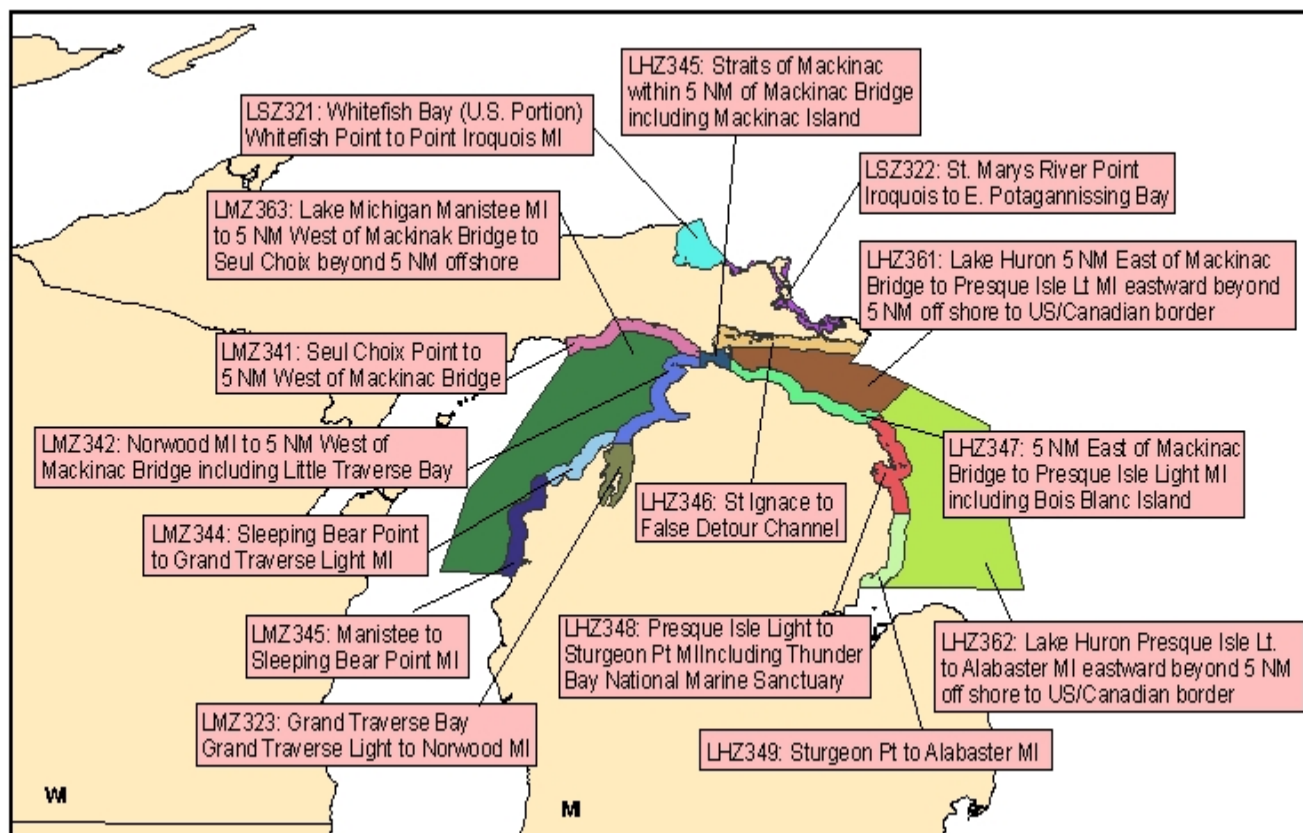


Open Lake Area of Responsibility

LSZ260 Lake Superior Open Lake (U.S. Portion)
LSZ261 Lake Superior MAFOR

The domain of the Open Lake expands to cover the nearshore marine zones if the nearshore Forecast season is discontinued during the winter season.

MARINE ZONES FOR WFO GAYLORD, MI



GAYLORD, MI (APX)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior and Lake Michigan

Lake Superior- U.S. Portion Whitefish Bay, St. Marys River, and Potagannissing Bay
 Lake Michigan - Mackinac Bridge to Schoolcraft/Mackinac county line and Mackinac Bridge to Manistee/Mason, MI county line
 Includes the Thunder Bay National Marine Sanctuary

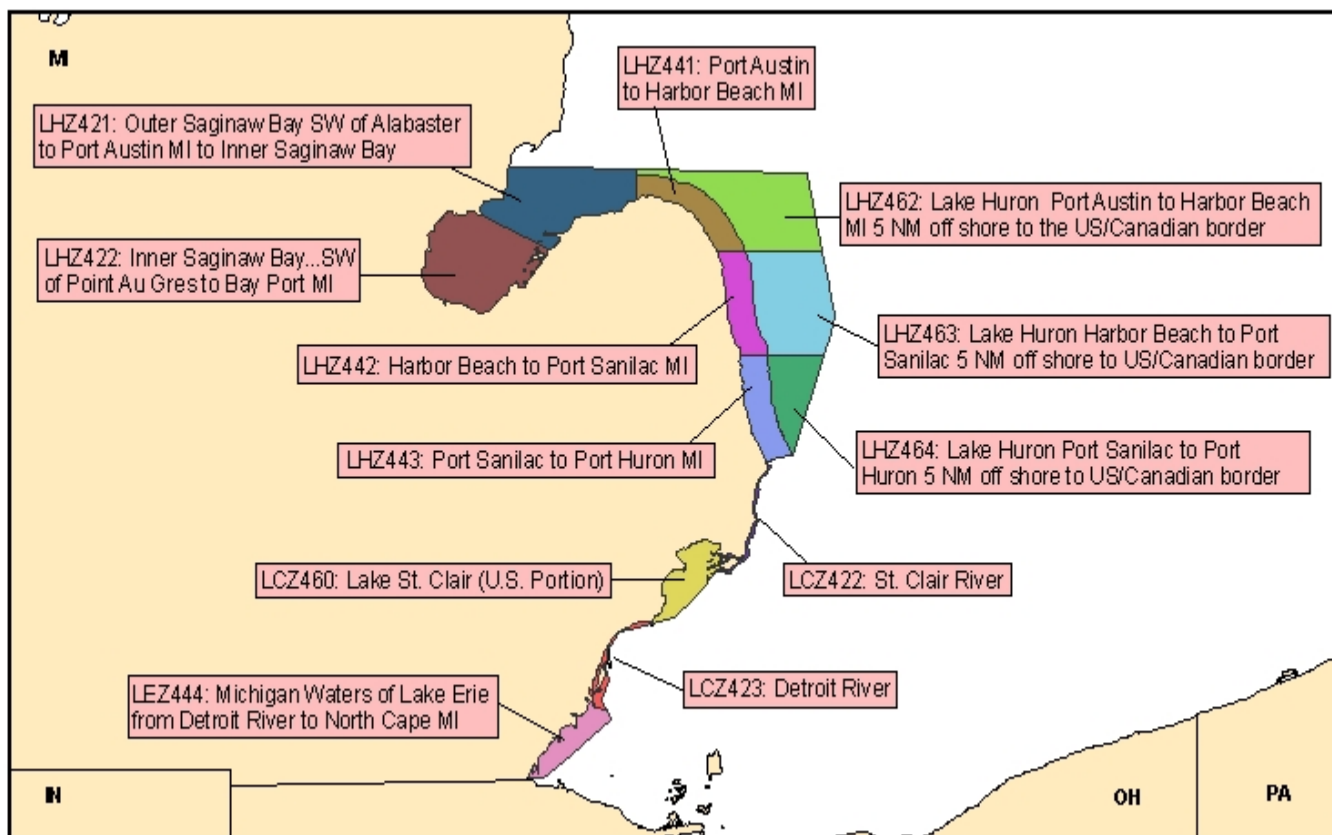
LSZ321	Whitefish Bay (U.S. Portion) Whitefish Point to Point Iroquois MI
LSZ322	St. Marys River Point Iroquois to E. Potagannissing Bay
LMZ341	Seul Choix Point MI to 5 NM west of Mackinac Bridge
LMZ342	Norwood MI to 5 NM west of Mackinac Bridge including Little Traverse Bay
LMZ323	Grand Traverse Bay Grand Traverse Light to Norwood MI
LMZ344	Sleeping Bear Point to Grand Traverse Light MI
LMZ345	Manistee to Sleeping Bear Point MI
LMZ363*	*Lake Michigan Manistee MI to 5 NM west of Mackinac Bridge to Seul Choix Point beyond 5 NM off shore
LHZ345	Straits of Mackinac within 5 NM of Mackinac Bridge including Mackinac Island
LHZ346	St Ignace to False Detour Channel

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- LHZ347 5 NM east of Mackinac Bridge to Presque Isle Light MI including Bois Blanc Island
- LHZ348 Presque Isle Light to Sturgeon Point MI including Thunder Bay National Marine Sanctuary
- LHZ349 Sturgeon Point to Alabaster MI
- LHZ361* *Lake Huron 5 NM east of Mackinac Bridge to Presque Isle Light MI East beyond 5 NM off shore to US/Canadian border
- LHZ362* *Lake Huron Presque Isle Light to Alabaster MI eastward beyond 5 NM off shore to US/Canadian border

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO DETROIT, MI



DETROIT, MI (DTX)

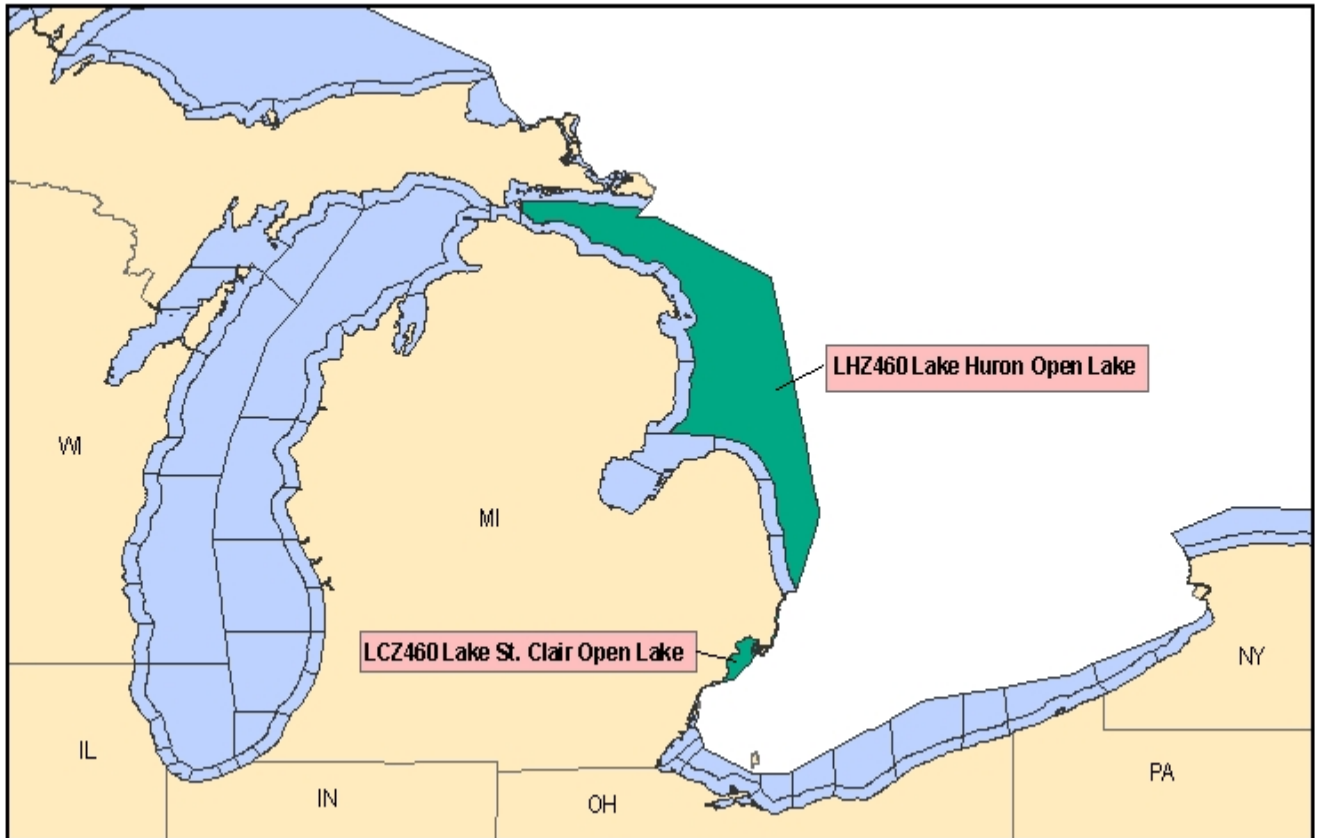
AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River

Lake Huron - Iosco/Arenac, MI county line to Port Huron,

LHZ421	Outer Saginaw Bay SW of Alabaster to Port Austin MI to Inner Saginaw Bay
LHZ422	Inner Saginaw Bay SW of Point Au Gres to Bay Port MI
LHZ441	Port Austin to Harbor Beach MI
LHZ442	Harbor Beach to Port Sanilac MI
LHZ443	Port Sanilac to Port Huron MI
LHZ462*	*Lake Huron Port Austin to Harbor Beach 5 NM off shore to US/Canadian border
LHZ463*	*Lake Huron Harbor Beach to Port Sanilac 5 NM off shore to US/Canadian border
LHZ464*	*Lake Huron Port Sanilac to Port Huron 5 NM off shore to US/Canadian border
LCZ422*	*St. Clair River
LCZ423*	*Detroit River
LEZ444	Michigan waters of Lake Erie from Detroit River to North Cape MI

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO DETROIT, MI – Open Lake



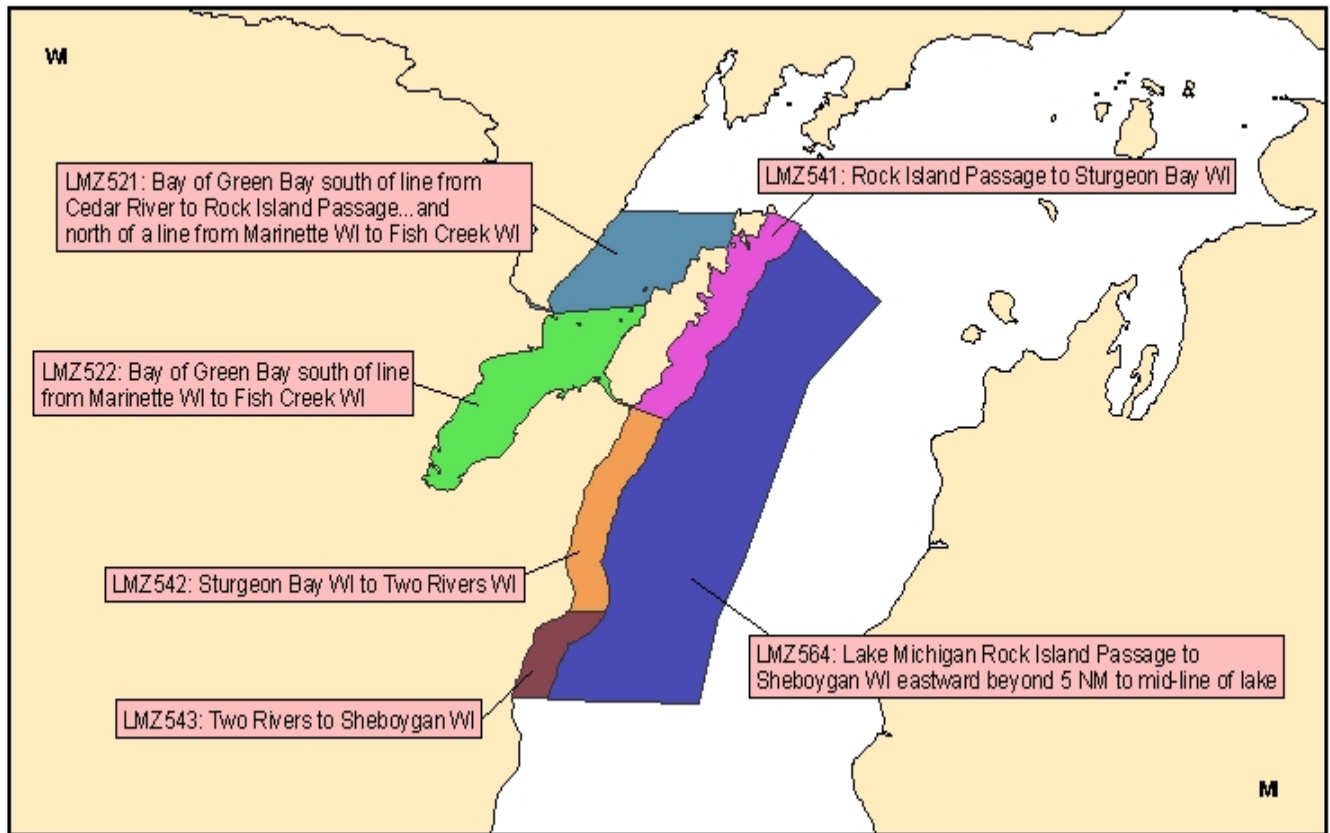
Open Lake Area of Responsibility

LHZ460 Lake Huron Open Lake (U.S. Portion)
LHZ461 Lake Huron MAFOR
LCZ460 Lake St. Clair Open Lake (U.S. Portion)

The domain of the Open Lake expands to cover the nearshore marine zones if the nearshore forecast season is discontinued during the winter season.

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GREEN BAY, WI



GREEN BAY, WI (GRB)

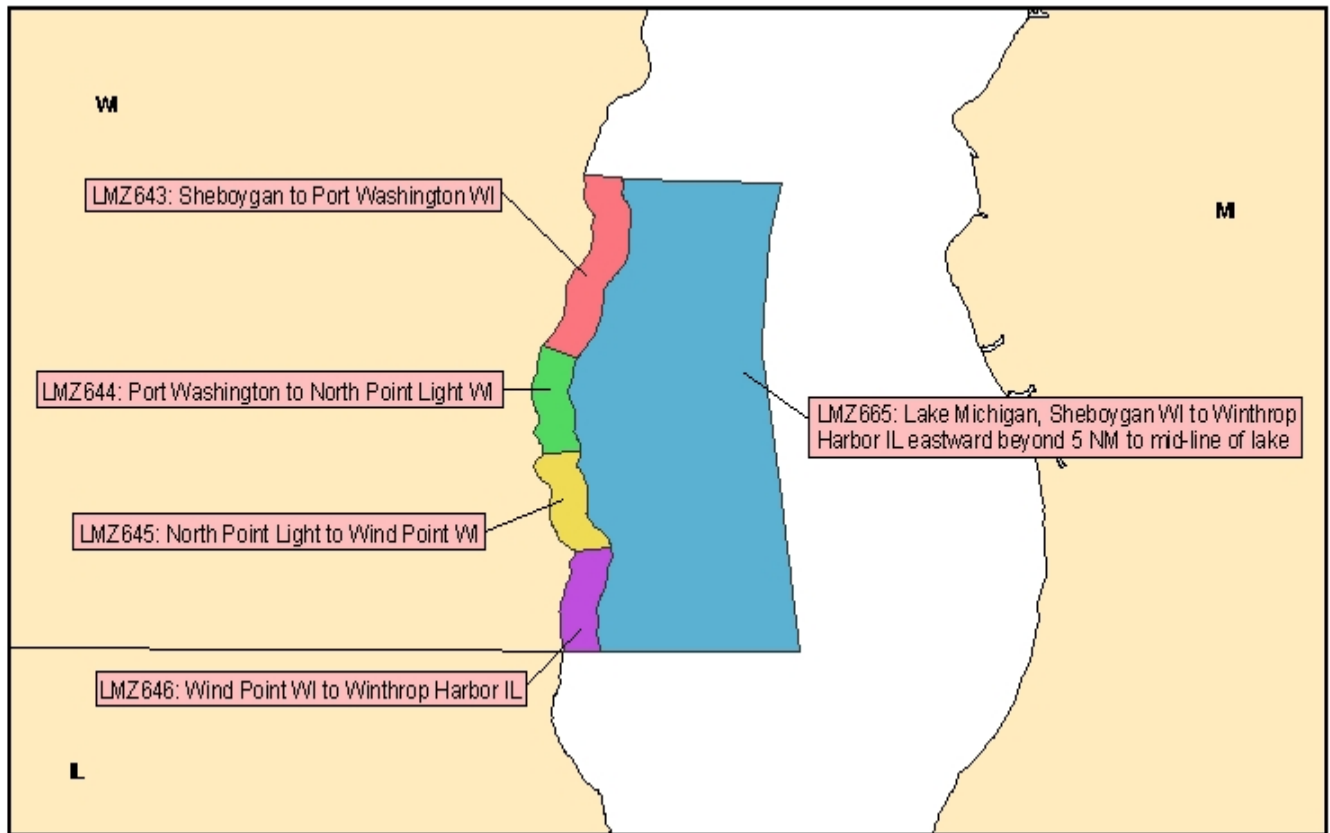
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Rock Island Passage to Manitowoc/Sheboygan, WI county line including southern three-quarters of Bay of Green Bay

- LMZ521 Bay of Green Bay south of line from Cedar River to Rock Island Passage and north of a line from Marinette WI to Fish Creek WI
- LMZ522 Bay of Green Bay south of a line from Marinette WI to Fish Creek WI
- LMZ541 Rock Island Passage to Sturgeon Bay WI
- LMZ542 Sturgeon Bay to Two Rivers WI
- LMZ543 Two Rivers to Sheboygan WI
- LMZ564* *Lake Michigan Rock Island Passage to Sheboygan WI eastward beyond 5 NM to mid-line of lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MILWAUKEE - SULLIVAN, WI



MILWAUKEE - SULLIVAN, WI (MKX)

AREA OF RESPONSIBILITY BOUNDARIES

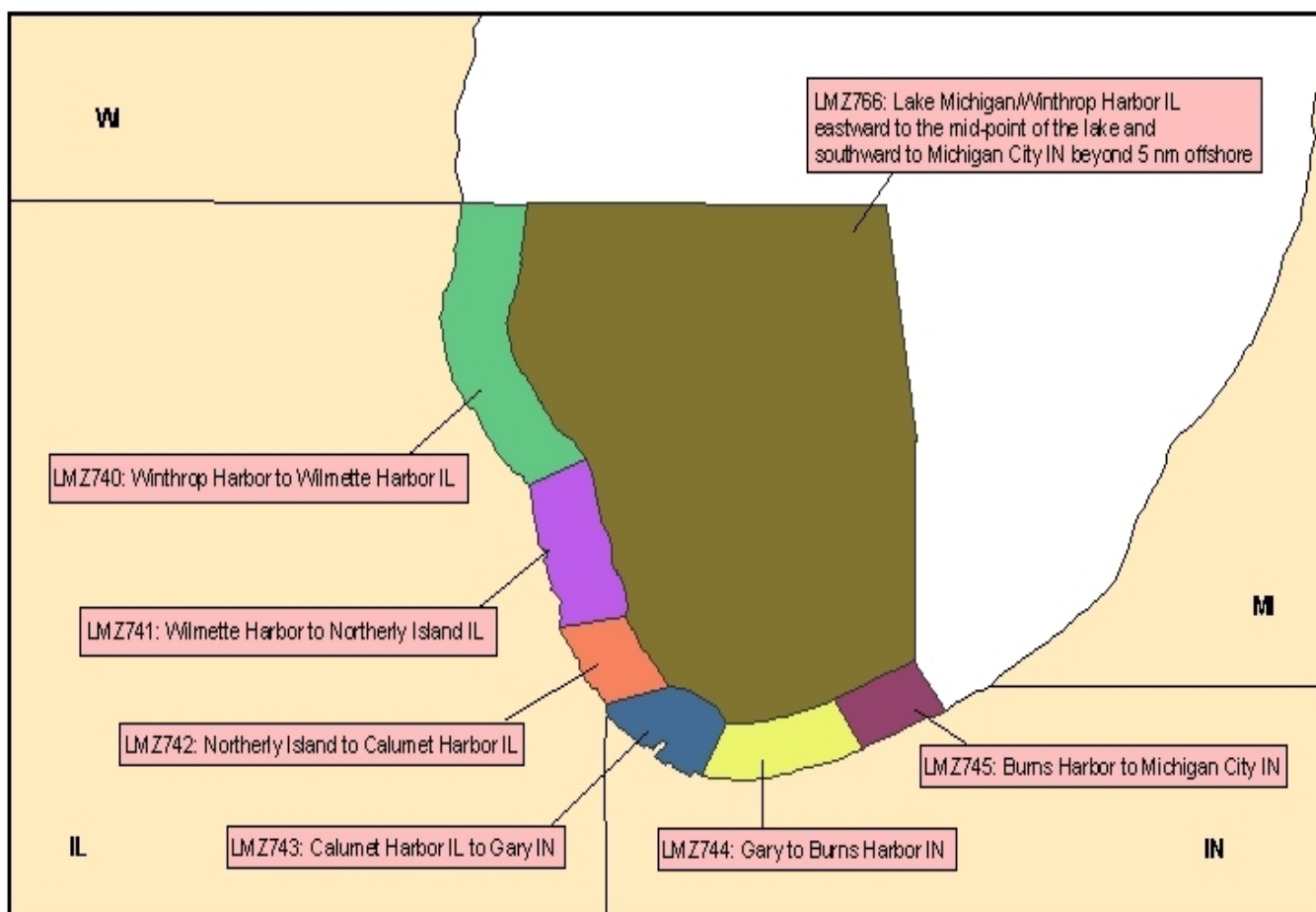
Lake Michigan - Manitowoc/ Sheboygan, WI county line to IL/WI border

LMZ643 Sheboygan to Port Washington WI
LMZ644 Port Washington to North Point Light WI
LMZ645 North Point Light to Wind Point WI
LMZ646 Wind Point WI to Winthrop Harbor IL

LMZ665* *Lake Michigan Sheboygan WI to Winthrop Harbor IL eastward beyond 5 NM to mid-line of lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO CHICAGO, IL



CHICAGO, IL (LOT)

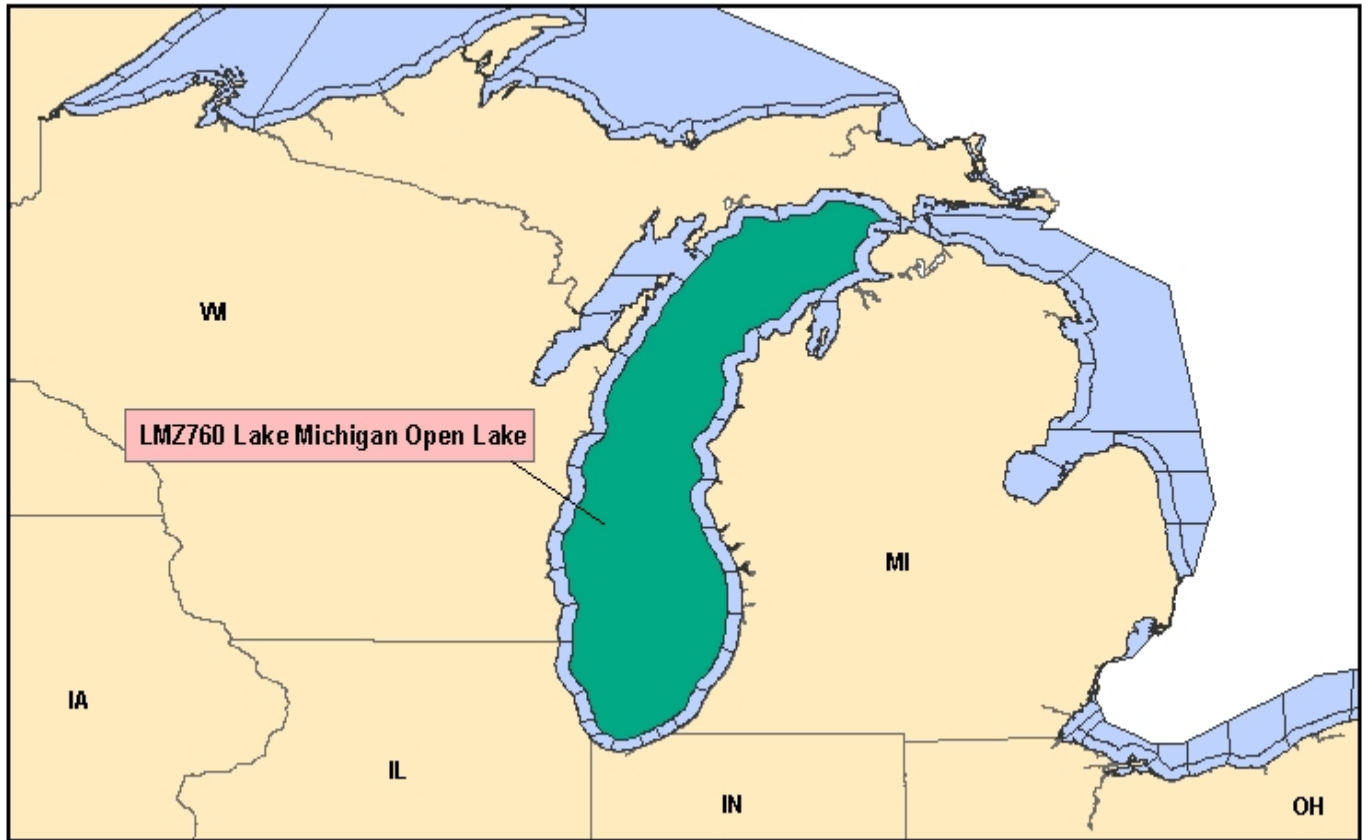
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - IL/WI border to Michigan City IN border

LMZ740	Winthrop Harbor to Wilmette Harbor IL
LMZ741	Wilmette Harbor to Northerly Island IL
LMZ742	Northerly Island to Calumet Harbor IL
LMZ743	Calumet Harbor IL to Gary IN
LMZ744	Gary to Burns Harbor IN
LMZ745	Burns Harbor to Michigan City IN
LMZ766*	*Lake Michigan Winthrop Harbor IL eastward to the mid-point of the lake and southward to Michigan City IN beyond 5 NM off shore

- Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO CHICAGO, IL- Open Lake

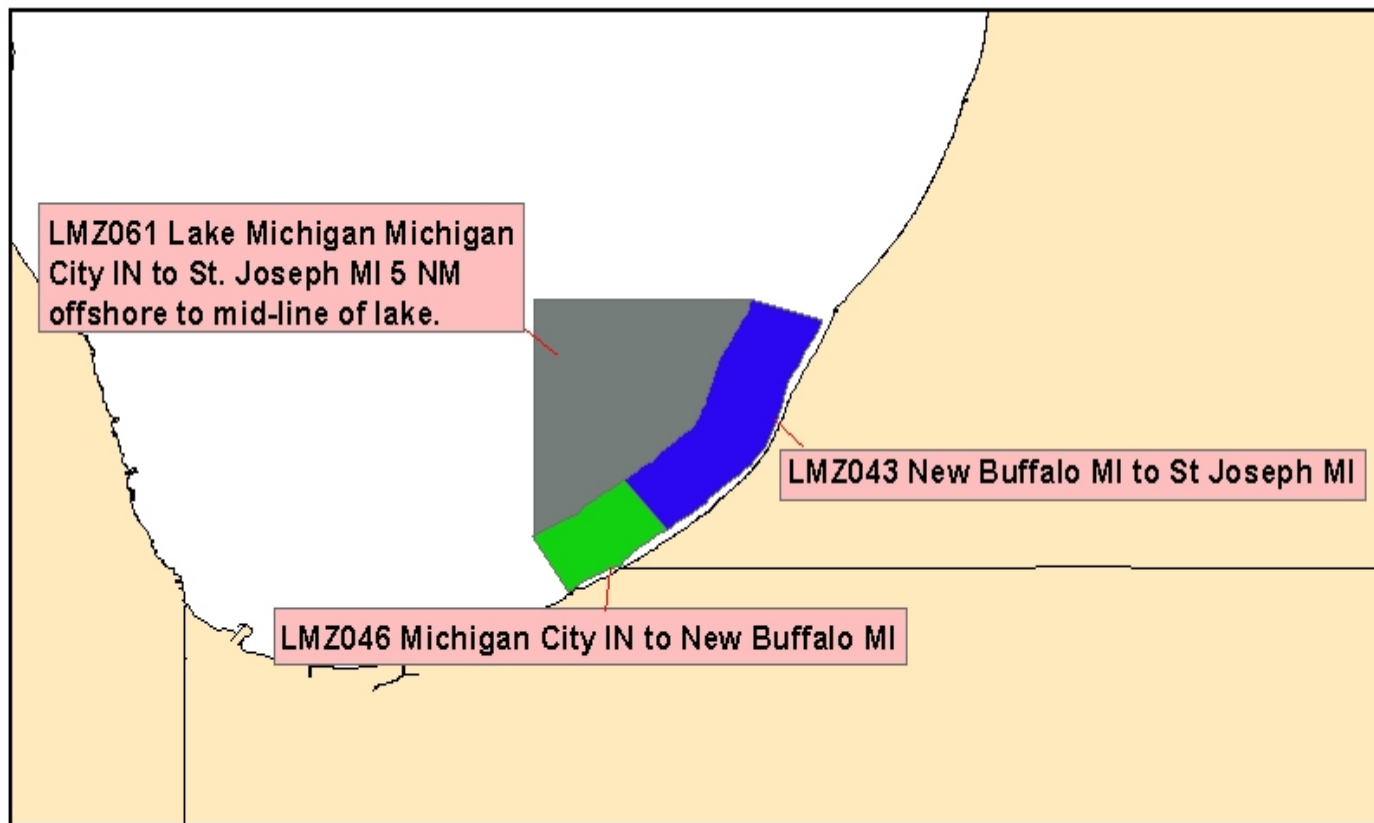


Open Lake Area of Responsibility

LMZ760 Lake Michigan Open Lake
LMZ761 Lake Michigan MAFOR

The domain of the Open Lake expands to cover the nearshore marine zones if the nearshore forecast season is discontinued during the winter season.

MARINE ZONES FOR WFO NORTHERN INDIANA, IN



NORTHERN INDIANA, IN (IWX)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan – Michigan City IN to St Joseph MI

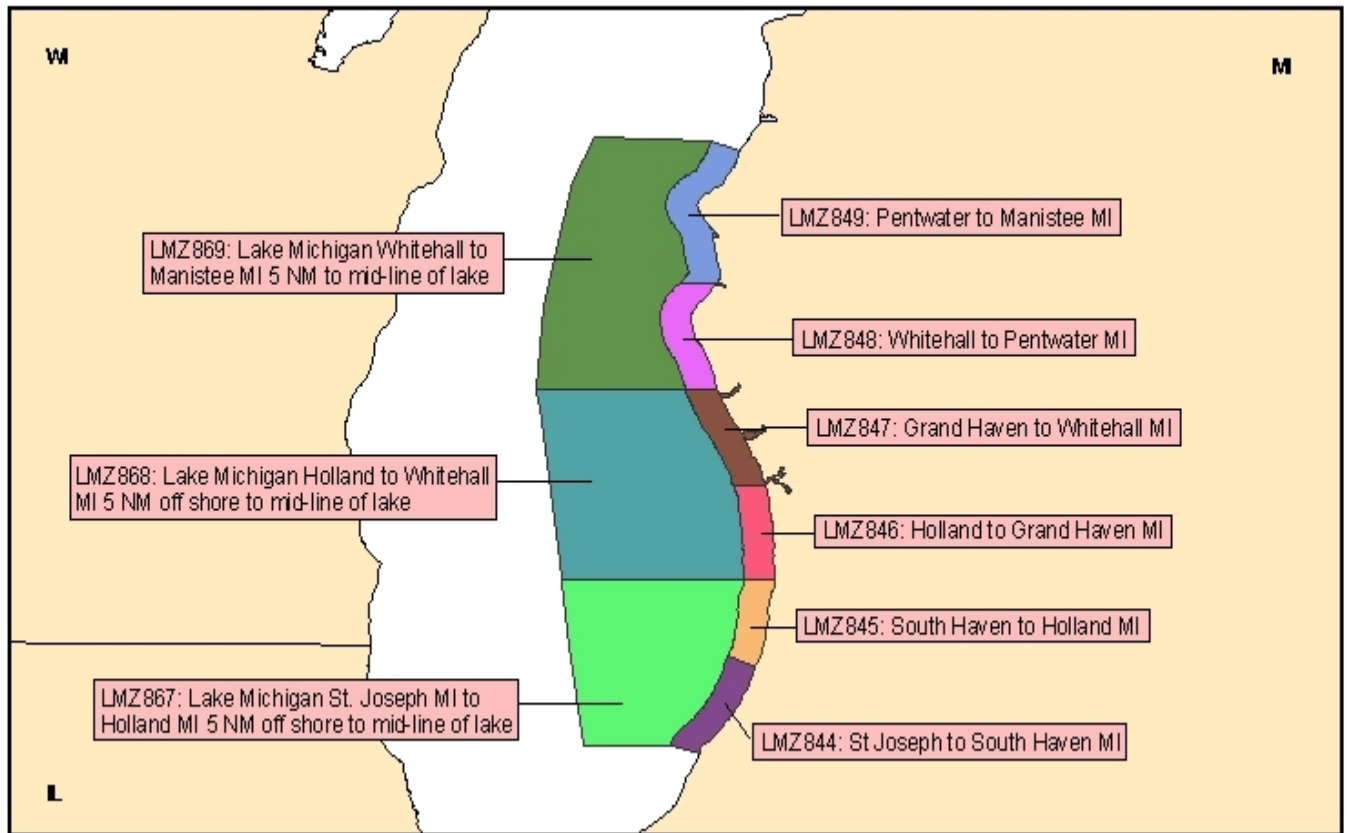
LMZ046 Michigan City IN to New Buffalo MI

LMZ043 New Buffalo MI to St. Joseph MI

LMZ061* Lake Michigan Michigan City IN to St. Joseph MI to 5 NM offshore to mid-line of lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GRAND RAPIDS, MI



GRAND RAPIDS, MI (GRR)

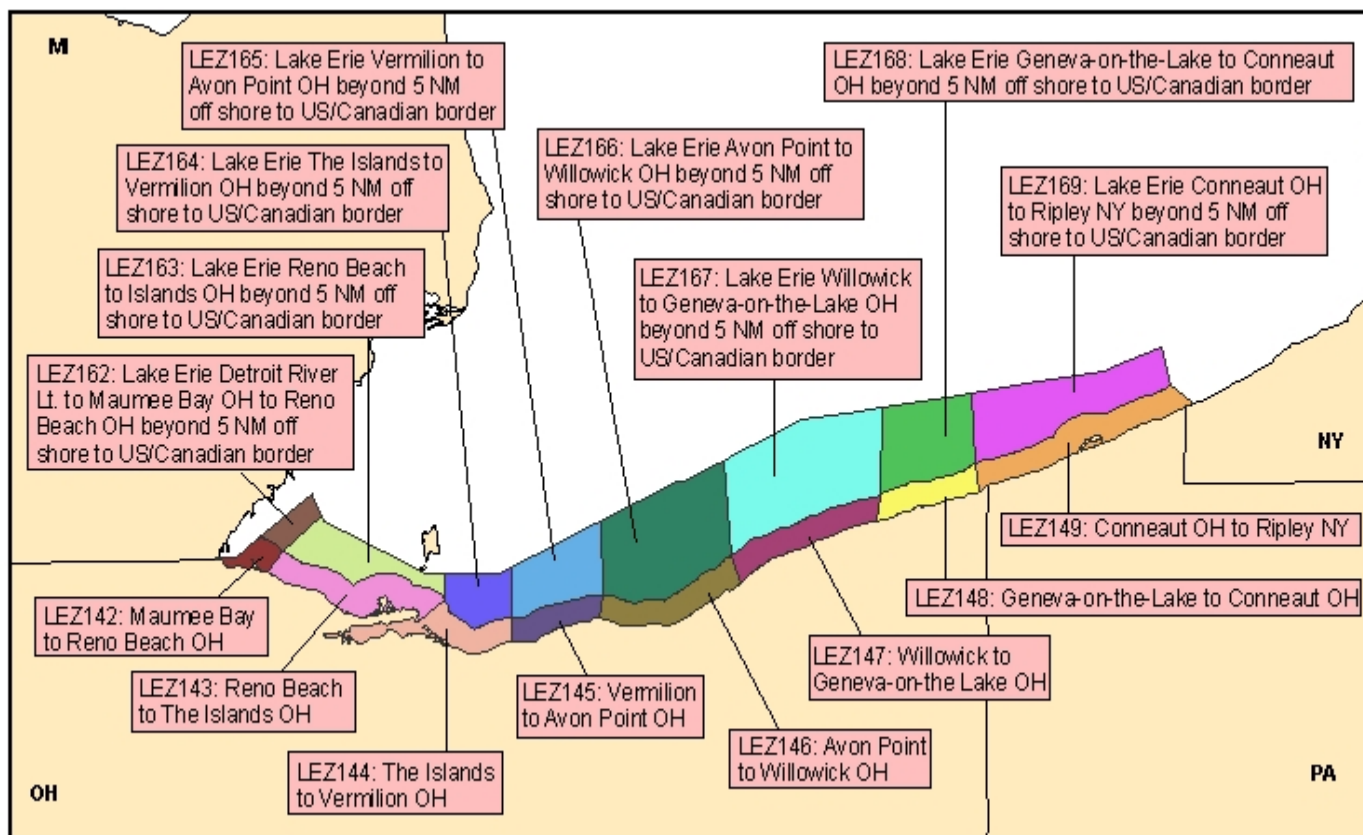
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - St. Joseph MI to Manistee/Mason, MI county line

LMZ844	St Joseph to South Haven MI
LMZ845	South Haven to Holland MI
LMZ846	Holland to Grand Haven MI
LMZ847	Grand Haven to Whitehall MI
LMZ848	Whitehall to Pentwater MI
LMZ849	Pentwater to Manistee MI
LMZ867*	*Lake Michigan St. Joseph MI to Holland MI 5 NM off shore to mid-line of lake
LMZ868*	*Lake Michigan Holland to Whitehall MI 5 NM off shore to mid-line of lake
LMZ869*	*Lake Michigan Whitehall to Manistee MI 5 NM off shore to mid-line of lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO CLEVELAND, OH - Nearshore



CLEVELAND, OH (CLE)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - MI/OH border to NY/PA border

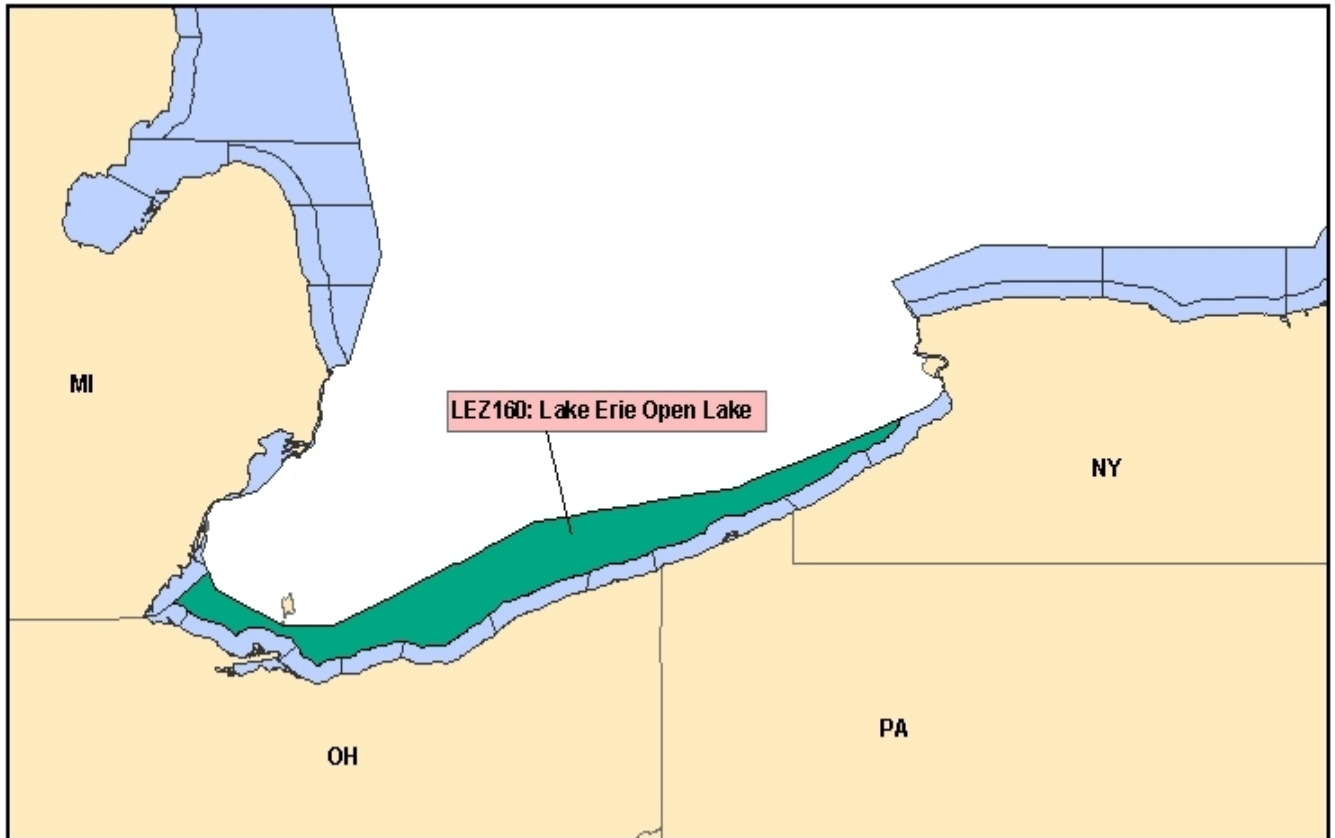
LEZ142	Maumee Bay to Reno Beach OH
LEZ143	Reno Beach to The Islands OH
LEZ144	The Islands to Vermilion OH
LEZ145	Vermilion to Avon Point OH
LEZ146	Avon Point to Willowick OH
LEZ147	Willowick to Geneva-on-the Lake OH
LEZ148	Geneva-on-the-Lake to Conneaut OH
LEZ149	Conneaut OH to Ripley NY
LEZ162*	*Detroit River Lt. to Maumee Bay OH to Reno Beach OH beyond 5 NM off shore to US/Canadian border
LEZ163*	*Reno Beach to The Islands OH beyond 5 NM off shore to US/Canadian border
LEZ164*	*The Islands to Vermilion OH beyond 5 NM off shore to US/Canadian border
LEZ165*	*Vermilion to Avon Point OH beyond 5 NM off shore to US/Canadian border

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LEZ166* *Avon Point to Willowick OH beyond 5 NM off shore to US/Canadian border
LEZ167* *Willowick to Geneva-on-the Lake OH beyond 5 NM off shore to
 US/Canadian border
LEZ168* *Geneva-on-the-Lake to Conneaut OH beyond 5 NM off shore to
 US/Canadian border
LEZ169* *Conneaut OH to Ripley NY beyond 5 NM off shore to US/Canadian border

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO CLEVELAND, OH – Open Lake

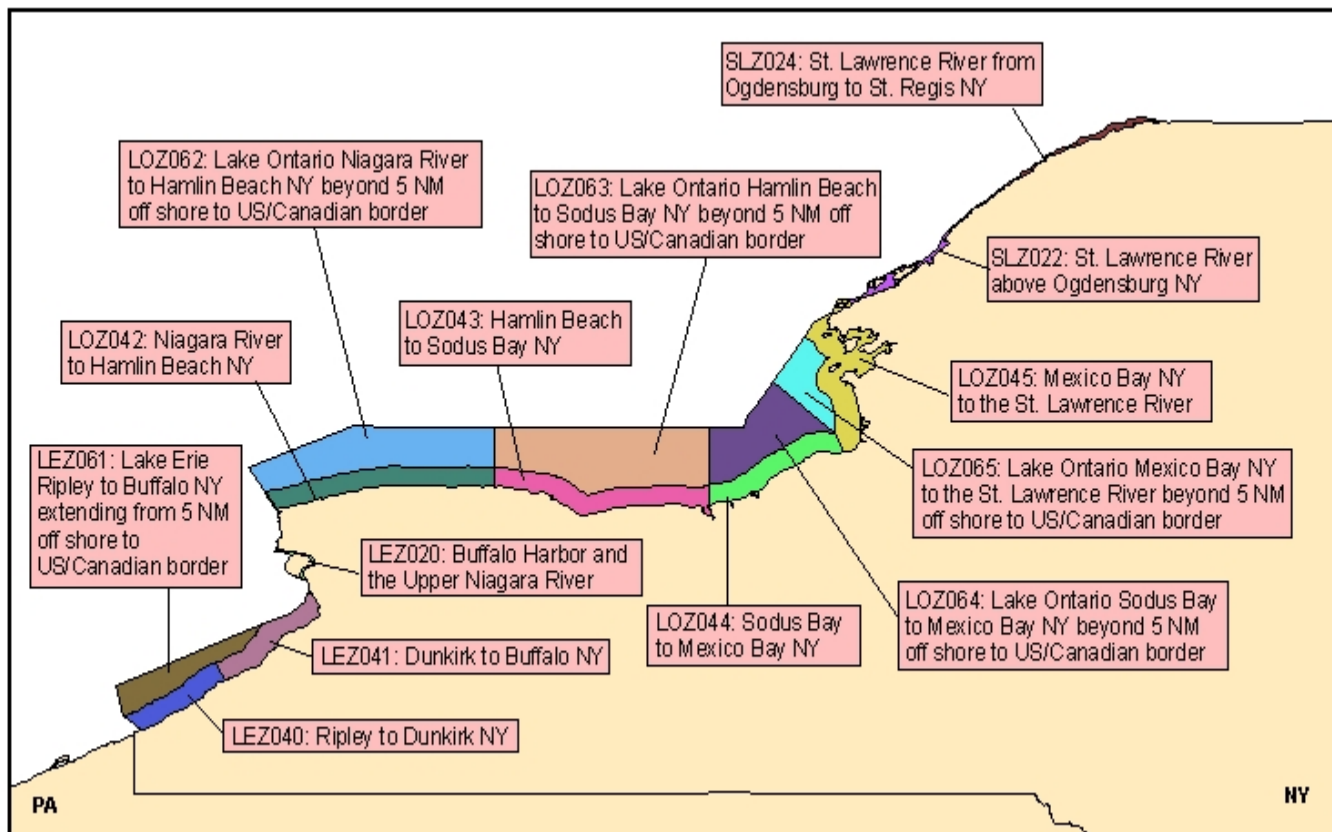


Open Lake Area of Responsibility

LEZ160 Lake Erie Open Lake (U.S. Portion)
LEZ161 Lake Erie MAFOR

The domain of the Open Lake expands to cover the nearshore marine zones if the nearshore forecast season is discontinued during the winter season.

MARINE ZONES FOR WFO BUFFALO, NY - Lake Erie and
Lake Ontario –Nearshore



BUFFALO, NY (BUF)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - NY/PA border to Buffalo Harbor Buffalo Harbor and Niagara River

Lake Ontario - US/Can border near Niagara River to US/Can border at St. Lawrence River

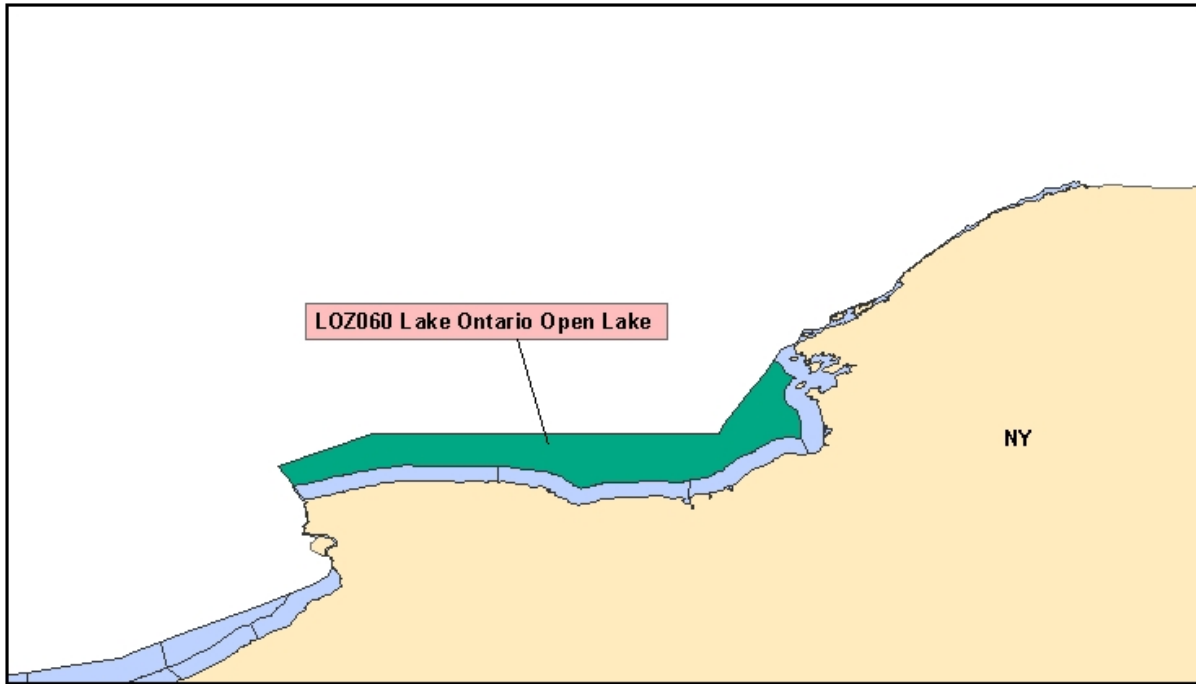
LEZ040	Ripley to Dunkirk NY
LEZ041	Dunkirk to Buffalo NY
LEZ061*	*Ripley to Buffalo NY extending from 5 NM off shoreline to US/Canadian border
LEZ020	Buffalo Harbor and the Upper Niagara River
LOZ042	Niagara River to Hamlin Beach NY
LOZ043	Hamlin Beach to Sodus Bay NY
LOZ044	Sodus Bay to Mexico Bay NY
LOZ045	Mexico Bay NY to the St. Lawrence River

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LOZ062* *Niagara River to Hamlin Beach NY beyond 5 NM off shore to US/Canadian border
LOZ063* *Hamlin Beach to Sodus Bay NY beyond 5 NM off shore to US/Canadian border
LOZ064* *Sodus Bay to Mexico Bay NY beyond 5 NM off shore to US/Canadian border
LOZ065* *Mexico Bay NY to the St. Lawrence River beyond 5 NM off shore to US/Canadian border
SLZ022 St. Lawrence River above Ogdensburg NY
SLZ024 St. Lawrence River from Ogdensburg to St. Regis NY

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO BUFFALO, NY - Lake Ontario – Open Lake



Open Lake Area of Responsibility

LOZ060 Lake Ontario Open Lake (U.S. Portion)
LOZ061 Lake Ontario MAFOR

The domain of the Open Lake expands to cover the nearshore marine zones if the nearshore forecast season is discontinued during the winter season.

3. Offshore Forecast Areas of Responsibility.

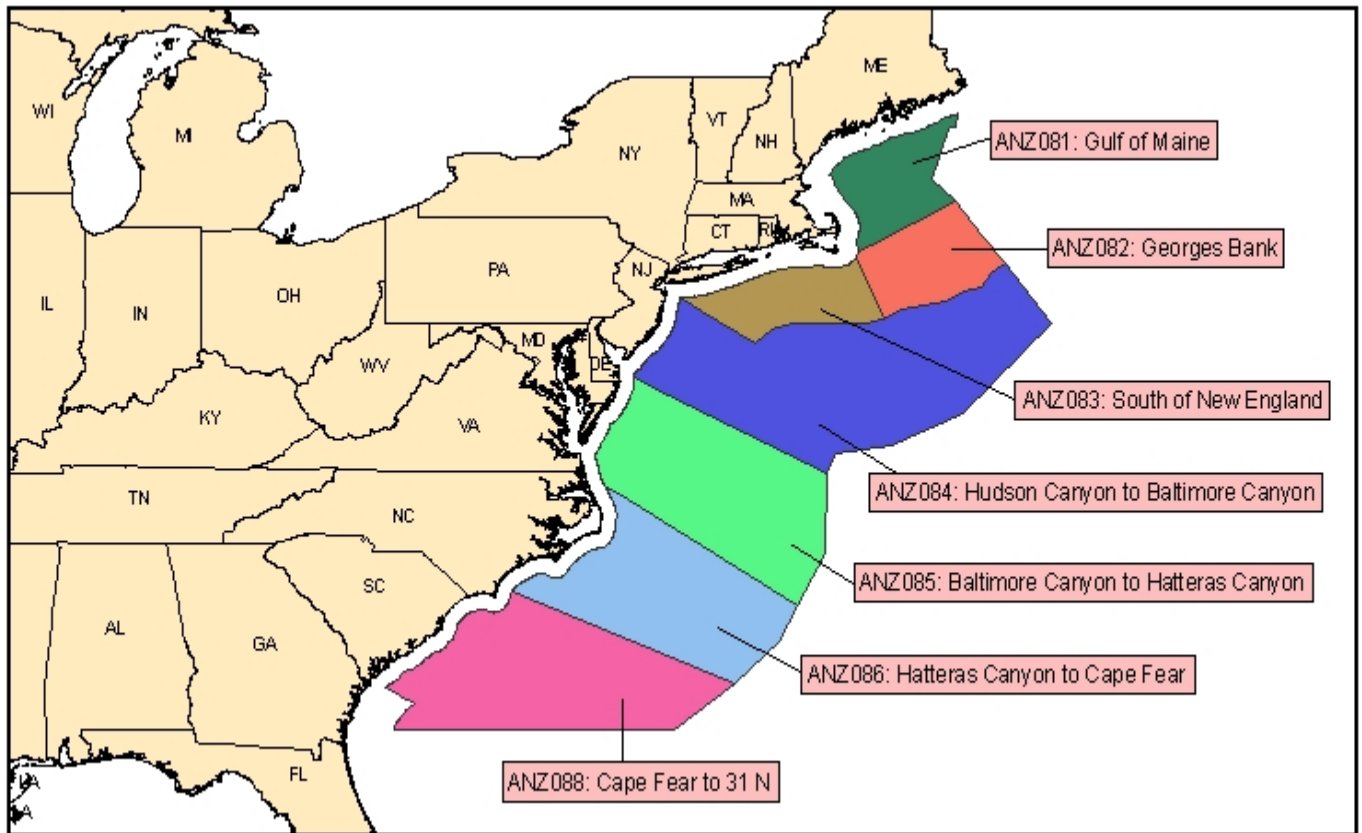
OFFSHORE MARINE FORECASTS

<u>Issue Off.</u>	<u>Official Area of Responsibility</u>	<u>Warning and Forecast Headings</u>	<u>UGC</u>	<u>Area ID</u>
NCEP/ OPC	Waters of the West Atlantic Ocean adjacent to the U.S. southwest of the	New England Continental Shelf and Slope Waters from 25 NM Offshore to The Hague Line...except to 1000 fathoms S of New England:		
	Hague Line and north of 31N and between the Coastal Waters Forecast and 250 NM off shore	Synopsis for New England Waters.	ANZ080	NTI
		Gulf of Maine to the Hague Line.	ANZ081	
		Georges Bank from the Northeast Channel to the Great South Channel including the waters east of Cape Cod to the Hague Line.	ANZ082	
		South of New England from the Great South Channel to Hudson Canyon including the waters south of Marthas Vineyard and Nantucket Island out to 1000 fathoms.	ANZ083	
		W Central N Atlantic Shelf and Slope Waters Beyond 20 NM to 250 NM Offshore...Including S of Georges Bank from 1000 fathoms to 250 NM Offshore:		
		Synopsis for Mid Atlantic Waters.	ANZ089	NT2
		Hudson Canyon to Baltimore Canyon including the waters south of 1000 fathoms out to 40N 65W to 38N 67W to 36N 70W.	ANZ084	
		Baltimore Canyon to Hatteras Canyon out to 36N 70W to 34N 71W.	ANZ085	
		Hatteras Canyon to Cape Fear out to 34N 71W to 32N 73W.	ANZ086	
		Cape Fear to 31N out to 32N 73W to 31N 74W.	ANZ088	

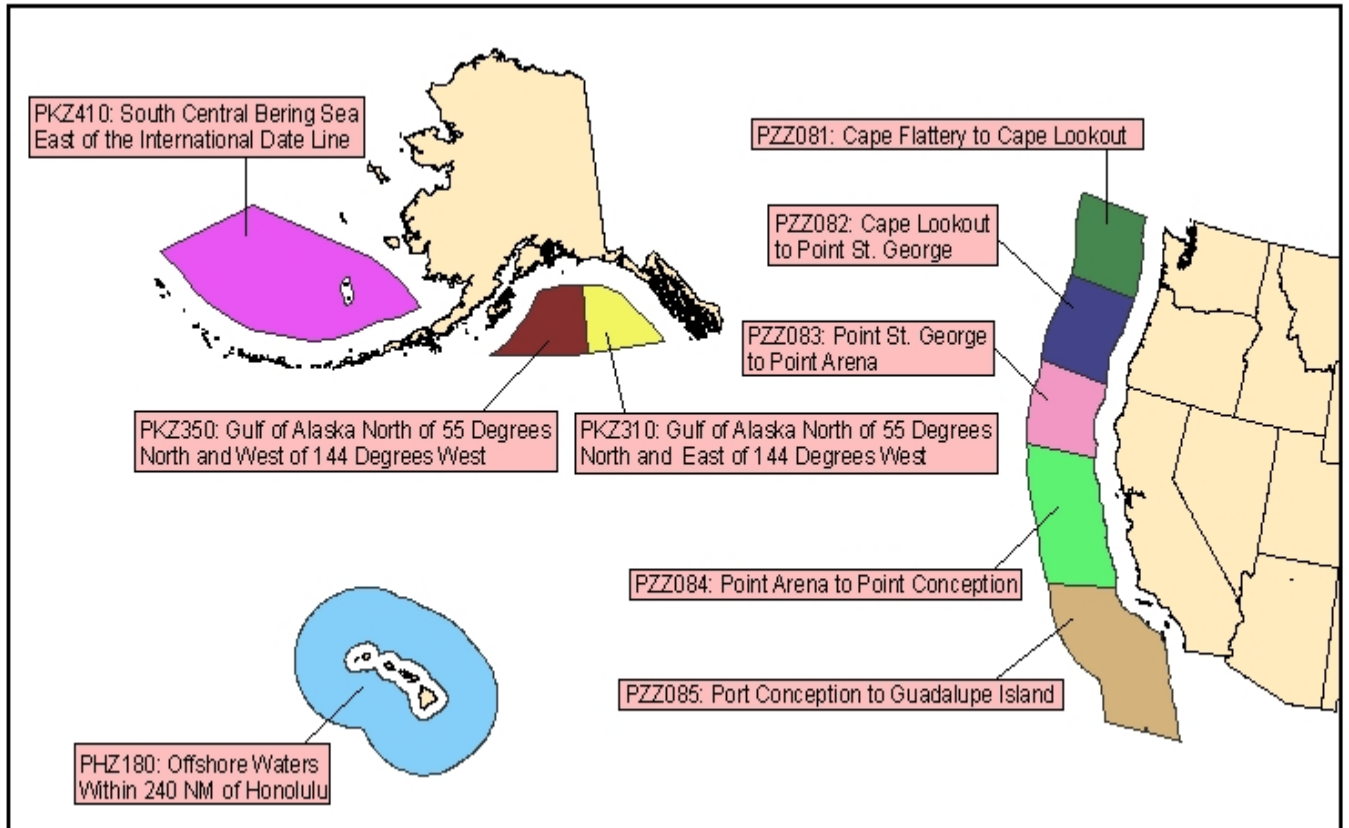
	Waters of the Eastern Pacific Ocean adjacent to the contiguous U.S. between 60 NM and 250 NM from shore	Washington and Oregon waters from 60 NM to 250 NM off shore:		
		Synopsis for Washington and Oregon Waters.	PZZ080	PZ5
		Cape Flattery to Cape Lookout.	PZZ081	
		Cape Lookout to Point St. George.	PZZ082	
		California waters from 60 NM to 250 NM Offshore:		
		Synopsis for California Waters Offshore.	PZZ089	PZ6
		Point St. George to Point Arena.	PZZ083	
		Point Arena to Point Conception.	PZZ084	
		Point Conception to Guadalupe Island.	PZZ085	
NCEP/ TPC	The Gulf of Mexico outside the Coastal Marine Forecast areas.	Offshore Waters Forecast for Gulf of Mexico: Includes the Flower Gardens National Marine Sanctuary		
		Synopsis for the Gulf of Mexico.	GMZ089	NT4
		NW Gulf N of 25N and W of 90W.	GMZ080	
		SW Gulf S of 25N and W of 90W.	GMZ082	
		Middle Gulf between 85W and 90W.	GMZ084	
		E Gulf between 81W and 85W.	GMZ086	
		Offshore Waters Forecast for the Caribbean Sea and Tropical North Atlantic:		
		Synopsis for Caribbean Sea and Tropical N Atlantic from 7N to 22N between 55W and 65W.	AMZ089	NT3
		NW Caribbean North of 15N West of 75W.	AMZ082	
		SW Caribbean S of 15N West of 75W.	AMZ084	
	The Southwest North Atlantic south of 31N and west of 65W, the Caribbean Sea, and the tropical North Atlantic east of the Lesser Antilles and west of 55W between the coastal waters of South America and 22N	E Caribbean E of 75W to the Leeward and Windward Islands.	AMZ086	
		Tropical N Atlantic from 7N to 22N between 55W and 65W.	AMZ087	
		Synopsis for SW North Atlantic including the Bahamas.	AMZ088	
		SW North Atlantic S of 31N West of 65W including the Bahamas.	AMZ080	

WFO AFC	The Gulf of Alaska north of 55 degrees North and west of 144 degrees West	Gulf of Alaska Offshore Waters Forecast:		
		Synopsis for Gulf of Alaska north of 55 degrees North and west of 144 degrees West. Gulf of Alaska north of 55 degrees North and west of 144 degrees West.	PKZ399 PKZ350	AFC
	The Bering Sea east of the International Date Line outside the Coastal Waters	Central Bering Sea Offshore Waters Forecast:		
		Synopsis for the Central Bering Sea. South Central Bering Sea east of the International Date Line.	PKZ499 PKZ410	AFC
WFO AJK	The Gulf of Alaska north of 55 degrees North and east of 144 degrees West	Gulf of Alaska Offshore Waters Forecast:		
		Synopsis for Gulf of Alaska north of 55 degrees North and east of 144 degrees West. Gulf of Alaska north of 55 degrees North and east of 144 degrees West.	PKZ398 PKZ310	AJK
WFO HFO	Hawaiian Offshore Waters Beyond 40 Nautical Miles out to 240 Nautical Miles	Hawaiian Offshore Waters Beyond 40 Nautical Miles out to 240 Nautical Miles:		
		Synopsis for Hawaiian Offshore Waters Hawaiian Offshore Waters	PHZ105 PHZ180	HFO

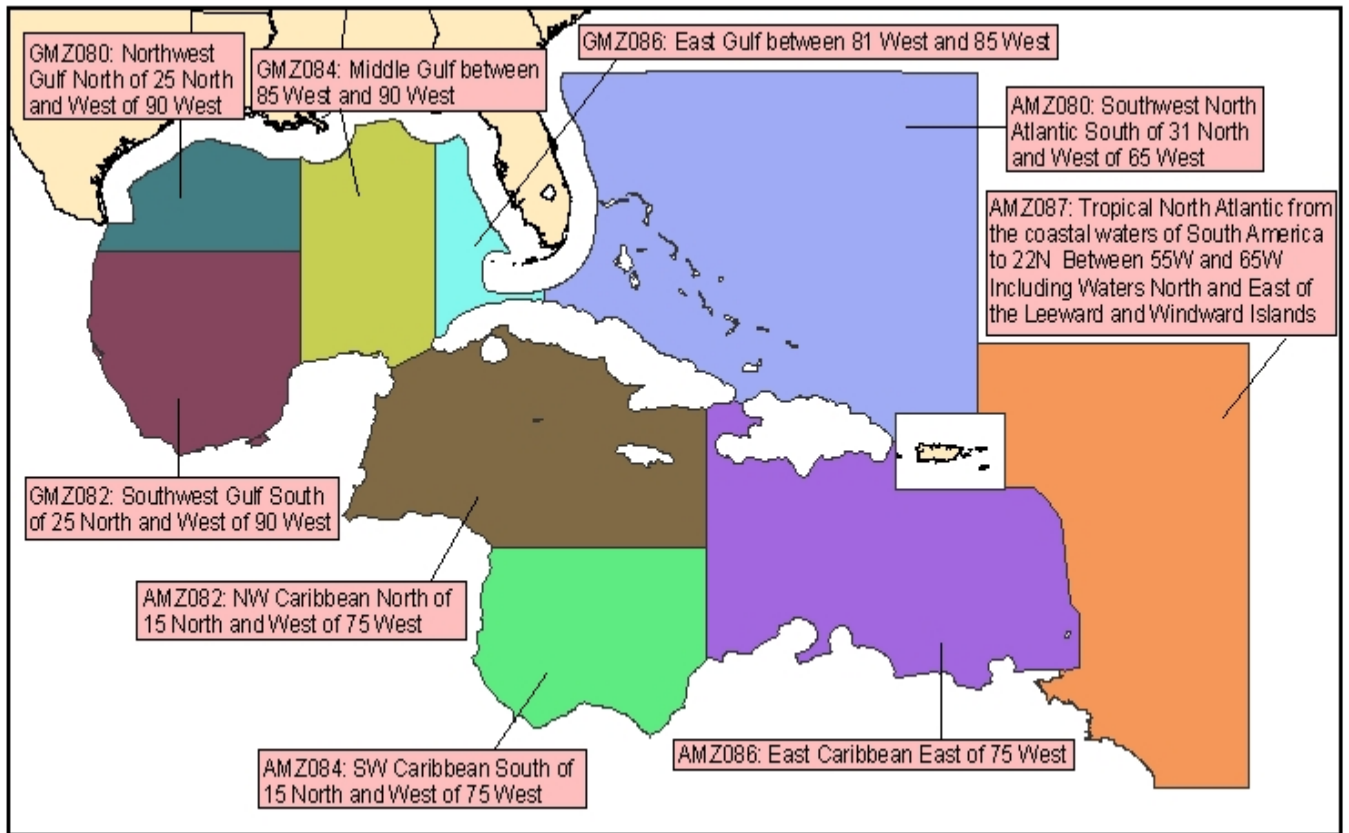
Upon request, WFO Fairbanks will provide forecasts for water areas of northern Alaska outside the Coastal Waters Forecast areas to 200 NM from shore. No product designator is given.



North Atlantic



Alaska, Hawaii and Pacific



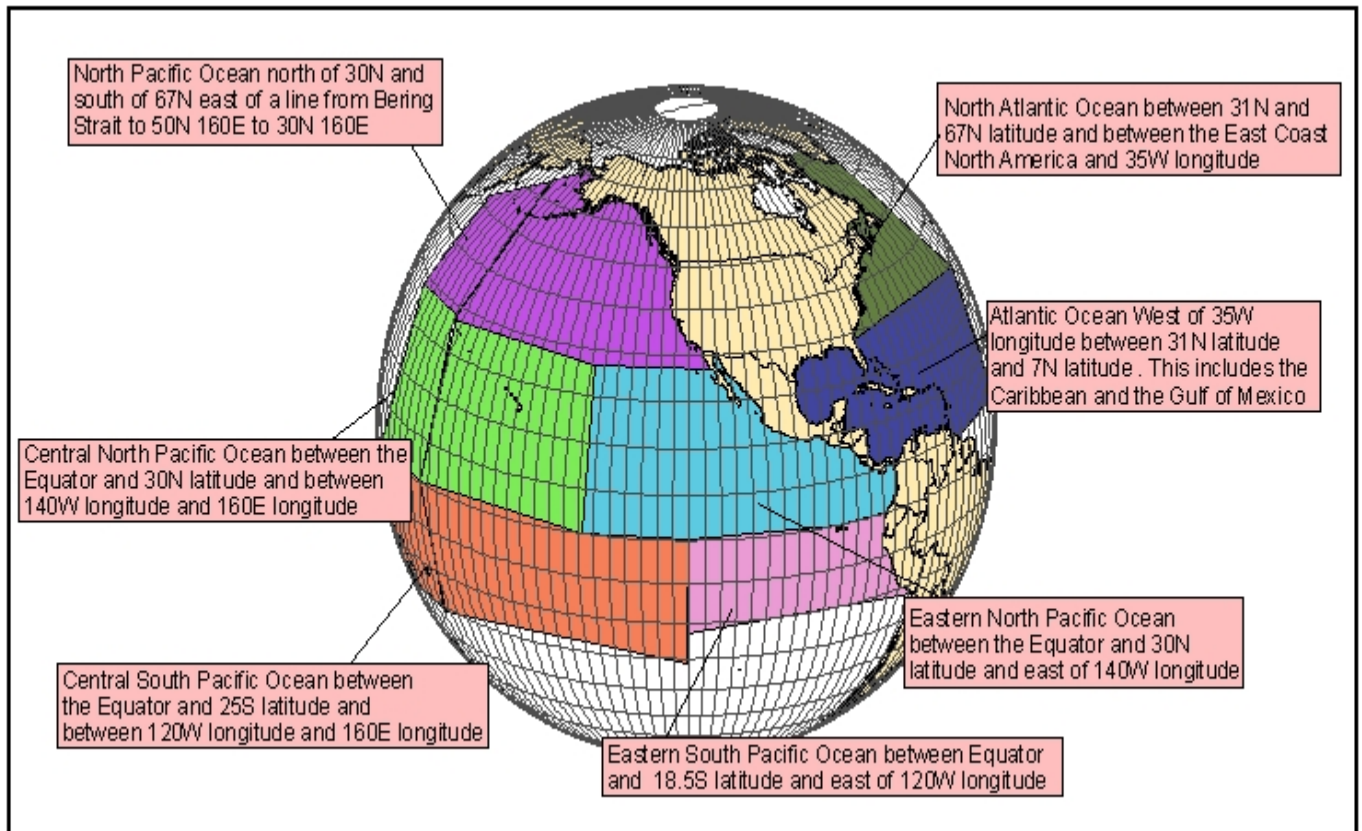
South Atlantic, Gulf of Mexico, and Caribbean

4. NAVTEX Forecast Areas of Responsibility

<u>Issue Off.</u>	<u>Geographic Heading</u>	<u>Prod. ID</u>	<u>WMO Header</u>	<u>Product Coverage (out to 200 NM)</u>	<u>NAVTEX Transmitter</u>
OPC/ ATL	Northeast U.S. waters	OFFN01	FZNT23KWNM	Eastport ME to Sandy Hook NJ	Boston MA
	Mid Atl.states waters	OFFN02	FZNT24KWNM	Sandy Hook NJ to Murrells Inlet SC	Chesapeake VA
	Southeastern U.S. waters	OFFN03	FZNT25KWNM	Murrells Inlet SC to Flagler Beach FL	Savannah GA
TPC	SW North Atlantic E half of the Gulf of Mexico and NW Caribbean waters	OFFN04	FZNT25KNHC	Flagler Beach FL to Suwannee River FL	Miami FL
	Puerto Rico and U.S. Virgin Isl. waters	OFFN05	FZNT26KNHC	Surrounding San Juan	San Juan PR
	Gulf of Mexico waters	OFFN06	FZNT27KNHC	Suwannee River FL to Rio Grande	New Orleans LA
OPC/ PAC.	Southern Calif. waters	OFFN07	FZPN22KWNM	Mexican Border to Pt.Piedras Blancas CA	Cambria CA
	Northern Calif. waters	OFFN08	FZPN23KWNM	Pt.Piedras Blancas CA to Pt. St. George CA	Pt.Reyes CA
	WA and OR waters	OFFN09	FZPN24KWNM	Pt.St.George CA to Canadian Border	Astoria OR

5. High Seas Forecast Areas of Responsibility.

<u>Issuing Office</u>	<u>Area</u>
NCEP/OPC	<p>North Atlantic Ocean between 31 N and 67 N latitude and between the East Coast of the U.S. and 35 W longitude. WMO METAREA IV</p> <p>North Pacific Ocean north of 30 N and south of 67 N east of a line from Bering Strait to 50 N 160 E to 30 N 160 E. WMO METAREA XII</p>
NCEP/TPC	<p>Atlantic Ocean west of 35 W longitude between 31 N latitude and 7 N latitude including the Caribbean Sea and the Gulf of Mexico. WMO METAREA IV</p> <p>Eastern North Pacific Ocean between the Equator and 30 N latitude and east of 140 W longitude. WMO METAREA XII</p> <p>Eastern South Pacific Ocean between the Equator and 18.5 S latitude and east of 120 W longitude. WMO METAREA XVI</p>
WFO Honolulu	<p>Central North Pacific Ocean between the Equator and 30 N latitude and between 140 W longitude and 160 E longitude. WMO METAREA XII</p> <p>Central South Pacific Ocean between the Equator and 25 S latitude and between 120 W longitude and 160 E longitude. WMO METAREA XIV</p>



6. Coastal and Offshore Marine Codes Listings for EAS and NWR Applications.

<u>Numeric</u>	<u>Alpha</u>	<u>Abbreviated Name of Marine Area</u> <u>Full Name of Marine Area</u>
57	PZ	EASTERN N. PACIFIC OCEAN Eastern North Pacific Ocean and along U.S. West Coast from Canadian border to Mexican border
58	PK	N. PACIFIC OCEAN NEAR ALASKA North Pacific Ocean near Alaska and along Alaska coastline including the Bering Sea and the Gulf of Alaska
59	PH	CENTRAL PACIFIC OCEAN Central Pacific Ocean including Hawaiian waters
61	PS	S. CENTRAL PACIFIC OCEAN South Central Pacific Ocean including American Samoa waters
65	PM	WESTERN PACIFIC OCEAN Western Pacific Ocean including Mariana Island waters
73	AN	NORTHWEST N. ATLANTIC OCEAN Western North Atlantic Ocean and along U.S. East Coast from Canadian border south to Currituck Beach Light NC
75	AM	WEST N. ATLANTIC OCEAN Western North Atlantic Ocean and along U.S. East Coast south of Currituck Beach Light NC following the coastline into Gulf of Mexico to Ocean Reef FL including the Caribbean

<u>Numeric</u>	<u>Alpha</u>	<u>Abbreviated Name of Marine Area</u> <u>Full Name of Marine Area</u>
77	GM	GULF OF MEXICO Gulf of Mexico and along the U.S. Gulf Coast from the Mexican border to Ocean Reef FL.
91	LS	LAKE SUPERIOR Lake Superior
92	LM	LAKE MICHIGAN Lake Michigan
93	LH	LAKE HURON Lake Huron
94	LC	LAKE ST. CLAIR Lake St. Clair
96	LE	LAKE ERIE Lake Erie
97	LO	LAKE ONTARIO Lake Ontario
98	SL	ST. LAWRENCE RIVER St. Lawrence River above St. Regis

Note: The above table can be accessed under the Code Listings for Special Applications section on the NWS' AWIPS Map Database website found at the following URL:

<http://www.nws.noaa.gov/geodata/>.

7. National Marine Sanctuary Inclusions.

<u>OFFICE</u>	<u>INCLUSION</u>
WFO Boston	THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY
WFO Newport	THE MONITOR NATIONAL MARINE SANCTUARY
WFO Charleston	THE GRAYS REEF NATIONAL MARINE SANCTUARY
WFO Key West	THE FLORIDA KEYS NATIONAL MARINE SANCTUARY
NCEP/TPC	THE FLOWER GARDEN BANKS NATIONAL MARINE SANCTUARY
WFO Los Angeles	THE CHANNEL ISLANDS NATIONAL MARINE SANCTUARY
WFO San Fran. Bay Area at /Monterey	THE MONTEREY BAY/GULF OF THE FARALLONES/AND CORDELL BANK NATIONAL MARINE SANCTUARIES
WFO Seattle	THE OLYMPIC COAST NATIONAL MARINE SANCTUARY
WFO Honolulu	THE HAWAIIAN ISLANDS HUMPBACK WHALE NATIONAL MARINE SANCTUARY
WFO Honolulu	THE NORTHWESTERN HAWAIIAN ISLANDS MARINE NATIONAL MONUMENT
WSO Pago Pago	THE FAGATELE BAY NATIONAL MARINE SANCTUARY
WFO Gaylord	THE THUNDER BAY NATIONAL MARINE SANCTUARY

Note 1: Please refer to NWSI 10-310, 10-311, and 10-312 for guidance on inclusion of the National Marine Sanctuaries in marine forecast products.

Note 2: The National Marine Sanctuary boundaries are available for downloading to AWIPS from the NOAA1 server.